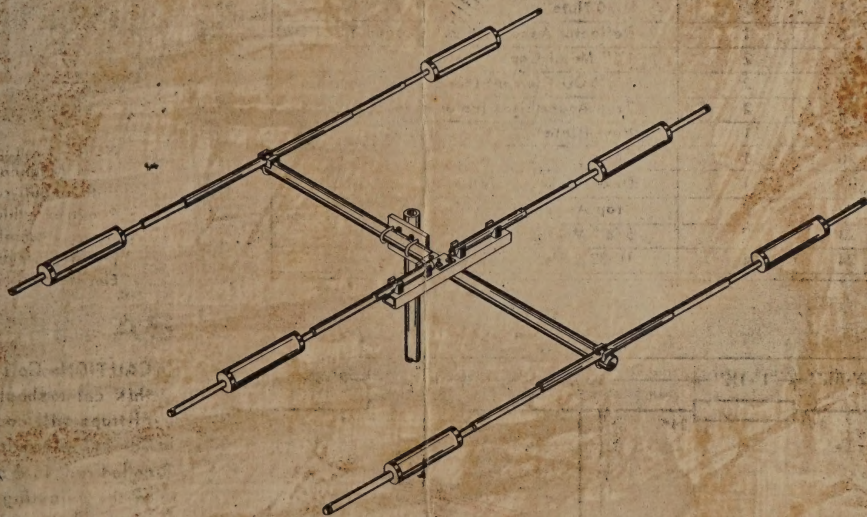


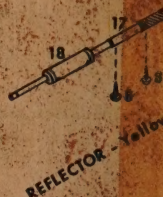
ASSEMBLY INSTRUCTIONS
FOR
MOSLEY THREE ELEMENT
TRAP MASTER ANTENNA
MODEL TA-33 JR.



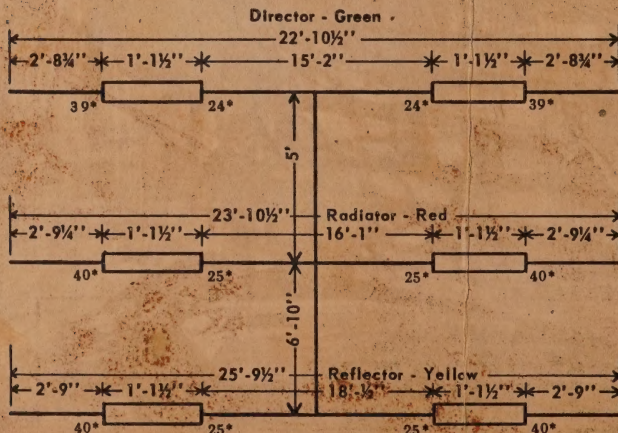
The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitution of materials or modification of design will materially lessen this performance.

PARTS LIST

Part	Quantity	Description
1	1	Element Support
2	4	Insulators
3	8	10-32 x 1 1/4" Screws
4	12	No. 10 Internal Lock washers
5	1	Ground Strap
6	2	Radiator Assembly (color coded RED)
7	2	Trap Assemblies (color coded RED)
8	8	Sheet Metal Screws, No. 6 x 3/8"
9	2	Solder Lugs, No. 6
10	5	Element Clamping Blocks, No. 44
11	2	Element Clamping Blocks, No. 41
12	8	U-Bolts
13	16	1/4" Internal Lock washers
14	16	1/4-20 Nuts
15	1	Reflector Assembly (color coded YELLOW)
16	2	1 1/4" Metal Caps
17	2	5/8" OD Element (color coded YELLOW)
18	2	Trap Assemblies (color coded YELLOW)
19	1	Mast Plate
20	1	Boom
21	1	Director Assembly (color coded GREEN)
22	2	Trap Assemblies (color coded GREEN)
23	2	5/8" Metal Caps
24	4	10-32 x 1 1/2" Screws



NOTE - This Mosley Beam Antenna is supplied with an anti-corrosion compound, Penatrox, which should be applied between coupled sections of the antenna to prevent formation of a high resistance joint. Elements will not telescope.



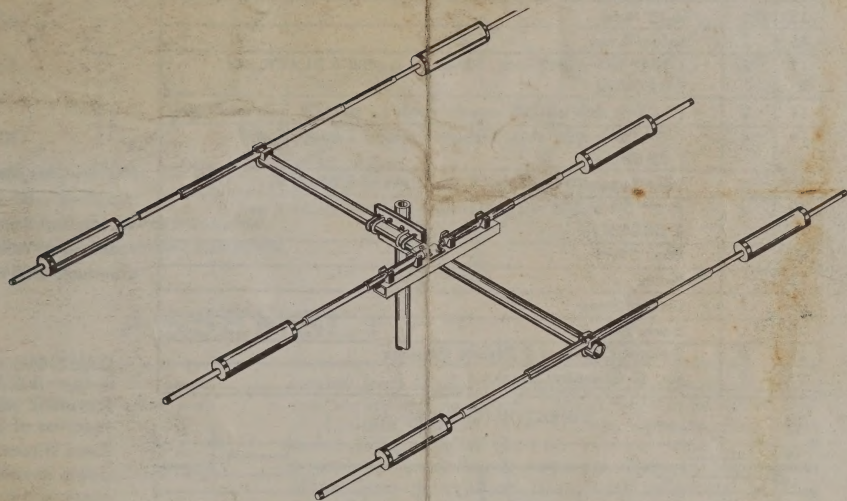
Settings are for Code 11; add 10 1/2" to center dimension for Code 1.

* Indicates number of coil turns.

CAUTION: Coil assemblies of this color should ALWAYS be installed so that the color of the traps will cause high SWR. The 1/2" element on the trap assembly (color coded red) is drilled so that it can be adjusted on the adjusting holes may be found on the chart. Adjusting holes do not apply to (color coded yellow) trap assembly (17).

All trap assemblies are supplied with a weatherproofing and should face DOWN. Each trap assembly has a weatherproofing coating that it is the outside of the trap assembly. DO NOT REMOVE THE WEATHERPROOFING. Read Directions Carefully. Begin assembly by grouping all

**ASSEMBLY INSTRUCTIONS
FOR
MOSLEY THREE ELEMENT
TRI-BAND BEAM ANTENNA
TRAP MASTER MODEL TA-33**

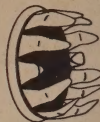


The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitution of materials or modification of design will materially lessen this performance.

PARTS LIST

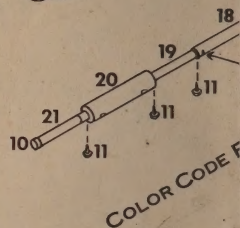
PART NO.	QUAN.	DESCRIPTION
1	1	Element Support
2	4	Insulators
3	8	10-32 x 1¼" Screws
4	12	No. 10 Lock washers
5	4	10-32 x 1¼" Screws
6	2	1" OD x .058 wall, Element (coded BLUE)
7	2	7/8" OD x .058 wall, Element (coded BLUE)
8	2	Trap Assemblies (coded BLUE)
9	2	5/8" OD x .035 wall, Element (coded BLUE)
10	6	5/8" Caplugs
11	19	No. 7 Sheet Metal Screws
12	10	U-Bolts
13	2	No. 40 Clamping Blocks
14	20	¼" Lock washers
15	20	¼-20 Nuts
16	2	Solder Lugs
17	2	1-1/8" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
18	2	1" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
19	4	7/8" OD x .058 wall, Elements (coded 2 BLACK and 2 BROWN)
20	4	Trap Assemblies (coded 2 BLACK and 2 BROWN)
21	4	5/8" OD x .035 wall, Elements (coded 2 BLACK and 2 BROWN)
22	1	Mast Plate
23	1	Boom
24	1	Ground Strap
25	1	Boom Splice
26	4	2 Metal Caps and 2 Plastic Caplugs
27	7	No. 43 Clamping Blocks

Plastic Caps
Insert one plastic cap in
end of boom.



Metal Caps

Modify each of the two
plug-caps by bending in
two opposite times,
as shown.



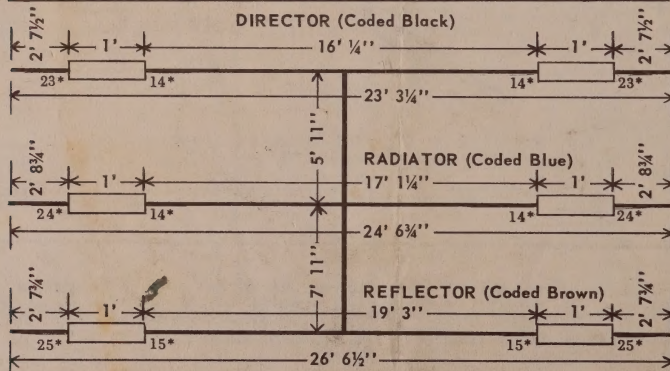
NOTE - This Mosley Beam
supplied with an anti-co
compound Penatrox, wh
sections of tubing to pre
Elements will not telesco

CAUTION: Coil Asse
only; this color sho
Reversal of traps wil
function of beam.

Read Directions Caref
Begin assembly by gro
according to color cod
For proper matching us
mended.

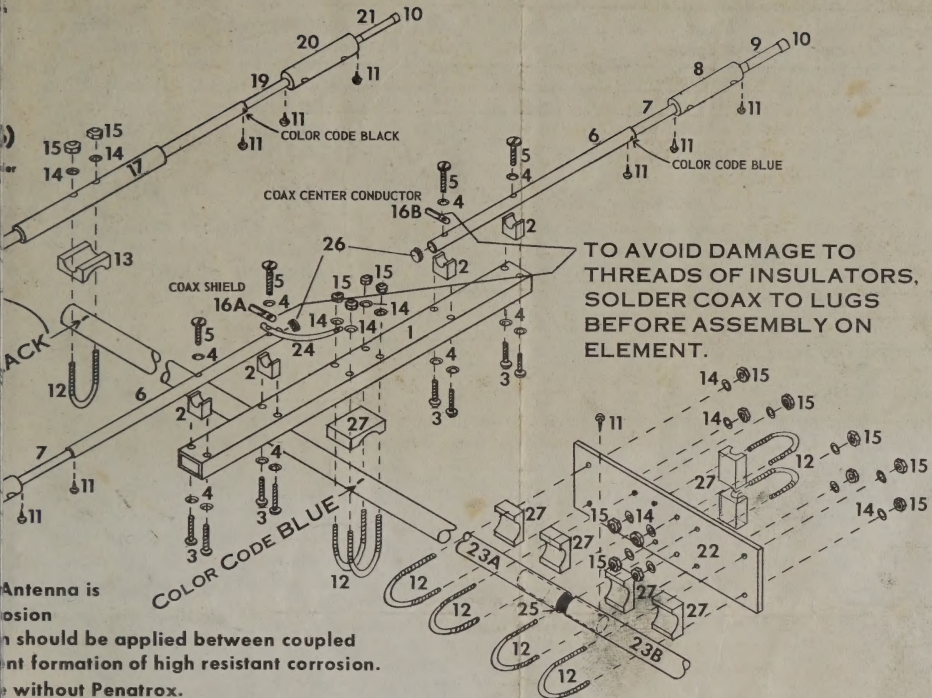
RADIATOR ASSEMBL

Loosely install insul
(part 1) with Screws
Place Element Sectio
(part 2) so that screw
Element (part 6) is fa
assure proper positio
vided with breather ho
Place Screws (part 5)
secure to outermost In
5) through Lock wash
Ground Strap (part 24



Settings are for Code II, add 10½" to center Dimension for Code I.

* Indicates number of coil turns.



ASSEMBLY

Insulators are color coded on one end. ALWAYS be nearest the boom. Cause high SWR and other mal-

function!
Align all element and coil sections
52 ohm coax. RG-8/U is recom-

Color coded BLUE

Insert Insulators (part 2) to Element Support and Lock washers (parts 3 and 4). Insert (part 6) into "V" of Insulator hole on Blue color coded end of Boom DOWN. This is important to align coil assemblies that are pros-

and should face down.
Insert Lock washers (part 4) and Insulator (part 2). Place Screw (part 4), Solder Lug (part 16A), Element (part 6) and secure to

Insulator (part 2). Insert Screw (part 5) through Lock washer (part 4), Solder Lug (part 16B), Element (part 6) and secure all insulators. Insert Blue color coded end of Element Section (part 7) into corresponding color coded end of Element (part 6).

Align holes according to frequency chart and secure with Screw (part 11). Insert Blue color coded end of Trap Assembly (part 8) into Element Section (part 7) and secure with Screw (part 11).

Insert Blue Color coded end of Element Section (part 9) into end of Trap Assembly (part 8) and secure with Screw (part 11). Place Caplug (part 10) over outer ends of Element Sections (part 9) and press Metal Cap (part 26) into inboard ends of radiator elements (part 6).

ATTACHING RADIATOR TO BOOM:

Loosely install two U-Bolts (part 12) to Element Support (part 1) with Lock washers and Nuts (parts 14 and 15). At this time attach Ground Strap (part 24) to one of the U-Bolts. Place Support (part 1) directly over Blue color code on Boom (part 23A). Install Clamping Block (part 27) between Element Support (part 1) and Boom (part 23A). Secure with Nuts and Lock washers.

DIRECTOR ASSEMBLY - Color coded BLACK

Element Sections (parts 17 and 18) are pre-assembled with U-Bolt (part 12), temporarily locking them in position. Without removing U-Bolt, match Black color coded end of Element Section (part 19) with corresponding color of Element Section (part 18) according to frequency chart. Insert and secure with Screw (part 11). Insert Black color coded end of Trap Assembly (part 20) into Element Section (part 19), secure with Screw (part 11). Make certain breather holes in trap assemblies face down. Insert Black color coded Element Section (part 21) into end of Trap Assembly (part 20) and secure with Screw (part 11). Place Caplugs (part 10) over outer ends of Element Sections (part 21).

ATTACHING DIRECTOR TO BOOM:

Note that the radius of grooves on Clamping Block (part 13) conforms with radius of Boom (part 23A) and Element (part 17). Insert Clamping Block (part 13) between U-Bolt (part 12) and Element Section (part 17). Place assembled Director Element with Clamping Block (part 13) on Boom. Align U-Bolt with color code on boom and secure.

REFLECTOR ASSEMBLY - Color coded BROWN

To assemble Reflector, follow same instructions as in the Director Assembly, substituting Brown for Black color code.

ATTACHING REFLECTOR TO BOOM:

To attach Reflector Element to boom, follow same instructions as in the Director Assembly, substituting Brown for Black color code. Also substitute Boom (part 23B) for Boom (part 23A).

BOOM ASSEMBLY:

All element assemblies must be on the same plane for proper performance. Place two U-Bolts (part 12) around section of Boom Assembly (part 23A) around Clamping Blocks (part 27) and into holes in Mast Plate (part 22). Be certain mast plate is at right angle to elements. Secure with Nuts and Lock washers (parts 14 and 15). Insert Boom Splice (part 25) into Boom Section (part 23B), align screw holes and secure with Screw (part 11). Join both sections of Boom Assemblies (part 23A and 23B) together by fitting Boom Splice (part 25) into Boom (part 23A). Place two U-Bolts (part 12) around section of Boom Assembly (part 23B), around Clamping Blocks (part 27), into Mast Plate (part 22) and secure with Lock washers and Nuts (parts 14 and 15).

The two remaining clamping blocks and hardware are for attaching beam to your mast.

A package of Mosley Antenna Coat has been included with this antenna. After antenna has been assembled, spray or brush antenna coat over entire unit and let dry before mounting on mast. Be sure antenna coat does not prevent good electrical contact between boom and mast.

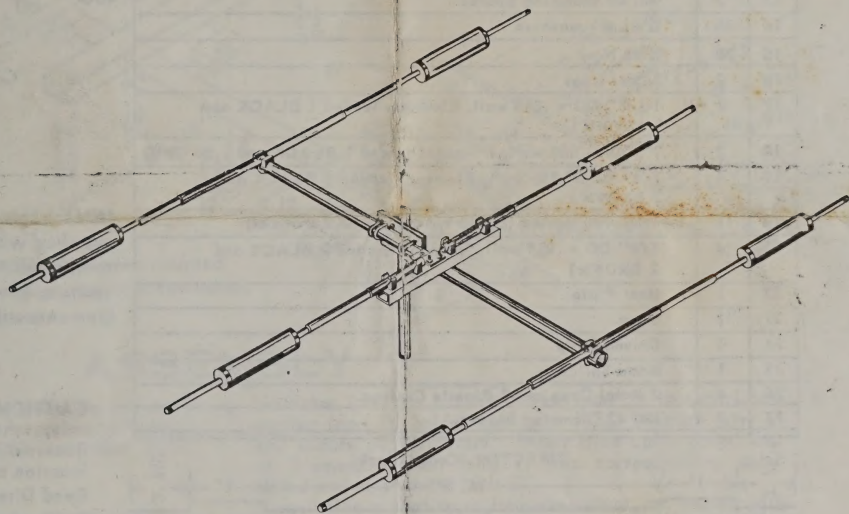
COLOR CODE		FREQUENCY CHART		
ELEMENT	COLOR	BAND	CODE 1*	11**
Radiator	Blue	10 M	28.1	28.8
Reflector	Brown	15 M	21.050	21.3
Director	Black	20 M	14.050	14.250
*Best for CW.		**Best for Phone		

NOTE: To order replacement parts from instruction sheet, refer to Form No. and Part No.

M·E·I

MOSLEY ELECTRONICS, INCORPORATED
4610 North Lindbergh Boulevard
Bridgeton, Missouri

ASSEMBLY INSTRUCTIONS
FOR
MOSLEY THREE ELEMENT
TRI-BAND BEAM ANTENNA
TRAP MASTER MODEL TA-33



The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitution of materials or modification of design will materially lessen this performance.

PARTS LIST

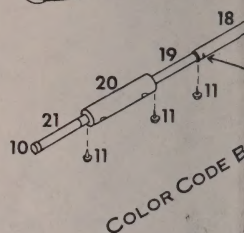
PART NO.	QUAN.	DESCRIPTION
1	1	Element Support
2	4	Insulators
3	8	10-32 x 1 1/4" Screws
4	12	No. 10 Lock washers
5	4	10-32 x 1 1/4" Screws
6	2	1" OD x .058 wall, Element (coded BLUE)
7	2	7/8" OD x .058 wall, Element (coded BLUE)
8	2	Trap Assemblies (coded BLUE)
9	2	5/8" OD x .035 wall, Element (coded BLUE)
10	6	5/8" Caplugs
11	19	No. 7 Sheet Metal Screws
12	10	U-Bolts
13	2	No. 40 Clamping Blocks
14	20	1/4" Lock washers
15	20	1/4-20 Nuts
16	2	Solder Lugs
17	2	1-1/8" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
18	2	1" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
19	4	7/8" OD x .058 wall, Elements (coded 2 BLACK and 2 BROWN)
20	4	Trap Assemblies (coded 2 BLACK and 2 BROWN)
21	4	5/8" OD x .035 wall, Elements (coded 2 BLACK and 2 BROWN)
22	1	Mast Plate
23	1	Boom
24	1	Ground Strap
25	1	Boom Splice
26	4	2 Metal Caps and 2 Plastic Caplugs
27	7	No. 43 Clamping Blocks



Plastic Caps
Insert one plastic cap in end of boom.



Metal Caps
Modify each of the two screw plug-caps by bending to two opposite times, as shown.



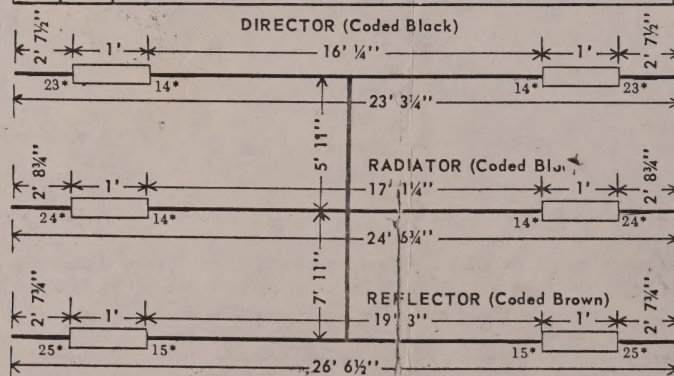
NOTE - This Mosley Beam is supplied with an anti-compound Penatrox, which sections of tubing to prevent Elements will not telescope.

CAUTION: Coil Assembly only; this color shows Reversal of traps will function of beam.

Read Directions Carefully
Begin assembly by ground according to color code. For proper matching use recommended.

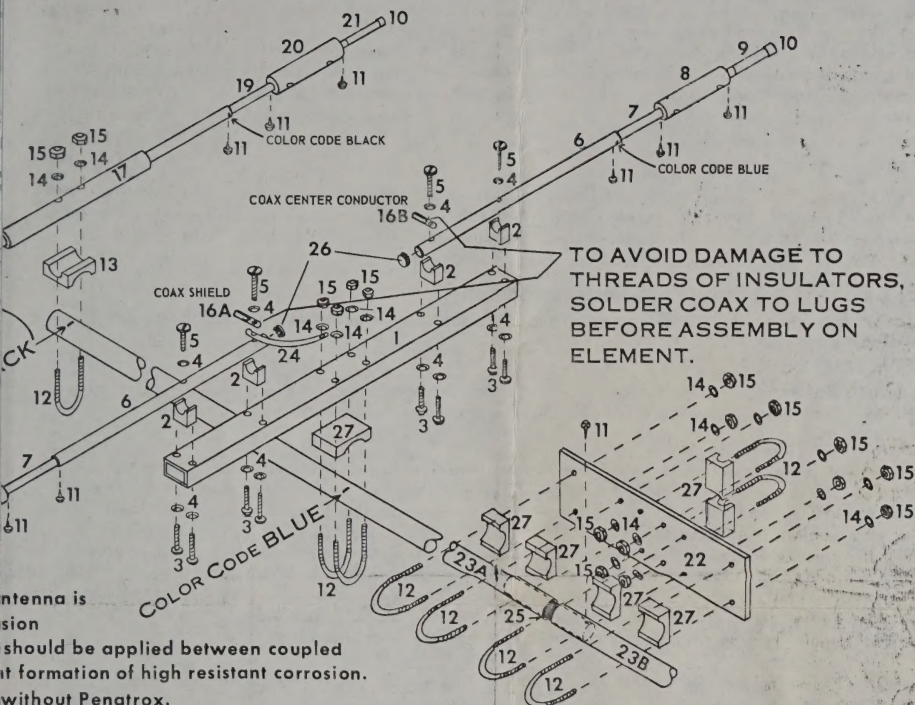
RADIATOR ASSEMBLY

Loosely install insulator (part 1) with Screws at Place Element Section (part 2) so that screw Element (part 6) is fast assure proper position provided with breather hole Place Screws (part 5) secure to outermost insulator (part 5) through Lock washers Ground Strap (part 24)



Settings are for Code II, add 10 1/2" to center Dimension for Code I.

* Indicates number of coils



Antenna is
 sion
 should be applied between coupled
 at formation of high resistant corrosion.
 without Penatrox.

ASSEMBLY

lies are color coded on one end
 ALWAYS be nearest the boom.
 cause high SWR and other mal-

!
 ng all element and coil sections
 52 ohm coax. RG-8/U is recom-

Color coded BLUE

rs (part 2) to Element Support
 Lock washers (parts 3 and 4).
 (part 6) into "V" of Insulator
 ole on Blue color coded end of
 g DOWN. This is important to
 f coil assemblies that are pro-
 and should face down.

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 ator (part 2). Place Screw (part
 (part 4), Solder Lug (part 16A),
 Element (part 6) and secure to

Insulator (part 2). Insert Screw (part 5) through Lock washer (part 4), Solder Lug (part 16B), Element (part 6) and secure all insulators. Insert Blue color coded end of Element Section (part 7) into corresponding color coded end of Element (part 6).

Align holes according to frequency chart and secure with Screw (part 11). Insert Blue color coded end of Trap Assembly (part 8) into Element Section (part 7) and secure with Screw (part 11).

Insert Blue Color coded end of Element Section (part 9) into end of Trap Assembly (part 8) and secure with Screw (part 11). Place Caplug (part 10) over outer ends of Element Sections (part 9) and press Metal Cap (part 26) into inboard ends of radiator elements (part 6).

ATTACHING RADIATOR TO BOOM:

Loosely install two U-Bolts (part 12) to Element Support (part 1) with Lock washers and Nuts (parts 14 and 15). At this time attach Ground Strap (part 24) to one of the U-Bolts. Place Support (part 1) directly over Blue color code on Boom (part 23A). Install Clamping Block (part 27) between Element Support (part 1) and Boom (part 23A). Secure with Nuts and Lock washers.

DIRECTOR ASSEMBLY - Color coded BLACK
 Element Sections (parts 17 and 18) are pre-assembled with U-Bolt (part 12), temporarily locking them in position. Without removing U-Bolt, match Black color coded end of Element Section (part 19) with corresponding color of Element Section (part 18) according to frequency chart. Insert and secure with Screw (part 11). Insert Black color coded end of Trap Assembly (part 20) into Element Section (part 19), secure with Screw (part 11). Make certain breather holes in trap assemblies face down. Insert Black color coded Element Section (part 21) into end of Trap Assembly (part 20) and secure with Screw (part 11). Place Caplugs (part 10) over outer ends of Element Sections (part 21).

ATTACHING DIRECTOR TO BOOM:

Note that the radius of grooves on Clamping Block (part 13) conforms with radius of Boom (part 23A) and Element (part 17). Insert Clamping Block (part 13) between U-Bolt (part 12) and Element Section (part 17). Place assembled Director Element with Clamping Block (part 13) on Boom. Align U-Bolt with color code on boom and secure.

REFLECTOR ASSEMBLY - Color coded BROWN

To assemble Reflector, follow same instructions as in the Director Assembly, substituting Brown for Black color code.

ATTACHING REFLECTOR TO BOOM:

To attach Reflector Element to boom, follow same instructions as in the Director Assembly, substituting Brown for Black color code. Also substitute Boom (part 23B) for Boom (part 23A).

BOOM ASSEMBLY:

All element assemblies must be on the same plane for proper performance. Place two U-Bolts (part 12) around section of Boom Assembly (part 23A) around Clamping Blocks (part 27) and into holes in Mast Plate (part 22). Be certain mast plate is at right angle to elements. Secure with Nuts and Lock washers (parts 14 and 15). Insert Boom Splice (part 25) into Boom Section (part 23B), align screw holes and secure with Screw (part 11). Join both sections of Boom Assemblies (part 23A and 23B) together by fitting Boom Splice (part 25) into Boom (part 23A). Place two U-Bolts (part 12) around section of Boom Assembly (part 23B), around Clamping Blocks (part 27), into Mast Plate (part 22) and secure with Lock washers and Nuts (parts 14 and 15).

The two remaining clamping blocks and hardware are for attaching beam to your mast.

For 2" OD masts Mosley Electronics manufactures model AK-60 Mast Adapter Kit. This kit includes an aluminum angle, hardware and complete instructions.

A package of Mosley Antenna Coat has been included with this antenna. After antenna has been assembled, spray or brush antenna coat over entire unit and let dry before mounting on mast. Be sure antenna coat does not prevent good electrical contact between boom and mast.

COLOR CODE		FREQUENCY CHART		
ELEMENT	COLOR	BAND	CODE 1*	11**
Radiator	Blue	10 M	28.1	28.8
Reflector	Brown	15 M	21.050	21.3
Director	Black	20 M	14.050	14.275
*Best for CW.		**Best for Phone		

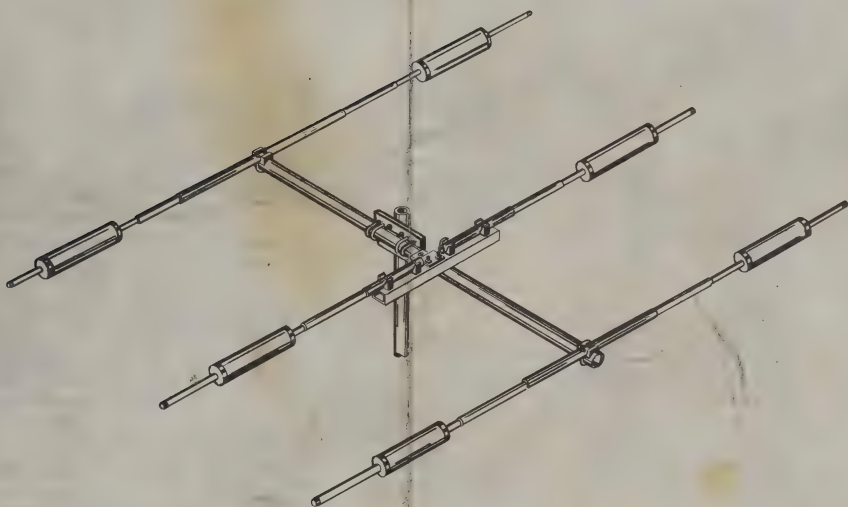
NOTE: To order replacement parts from instruction sheet, refer to Form No. and Part No.

M·E·I

MOSLEY ELECTRONICS, INCORPORATED
 4610 North Lindbergh Boulevard
 Bridgeton, Missouri, 63044.

ASSEMBLY INSTRUCTIONS
FOR
MOSLEY THREE ELEMENT
TRI-BAND BEAM ANTENNA
TRAP MASTER MODEL TA-33

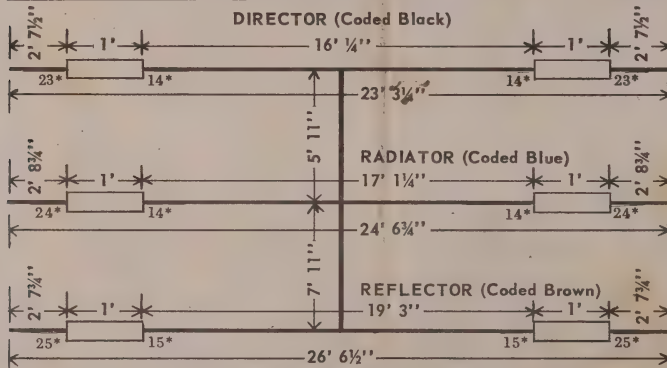
530870



The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitution of materials or modification of design will materially lessen this performance.

PARTS LIST

PART NO.	QUAN.	DESCRIPTION
1	1	Element Support
2	4	Insulators
3	8	10-32 x 1 1/4" Screws
4	12	No. 10 Lock washers
5	4	10-32 x 1 1/4" Screws
6	2	1" OD x .058 wall, Element (coded BLUE)
7	2	7/8" OD x .058 wall, Element (coded BLUE)
8	2	Trap Assemblies (coded BLUE)
9	2	5/8" OD x .035 wall, Element (coded BLUE)
10	6	5/8" Caplugs
11	19	No. 7 Sheet Metal Screws
12	10	U-Bolts
13	2	No. 40 Clamping Blocks
14	20	1/4" Lock washers
15	20	1/4-20 Nuts
16	2	Solder Lugs
17	2	1-1/8" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
18	2	1" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
19	4	7/8" OD x .058 wall, Elements (coded 2 BLACK and 2 BROWN)
20	4	Trap Assemblies (coded 2 BLACK and 2 BROWN)
21	4	5/8" OD x .035 wall, Elements (coded 2 BLACK and 2 BROWN)
22	1	Mast Plate
23	1	Boom
24	1	Ground Strap
25	1	Boom Splice
26	14	2 Metal Caps and 2 Plastic Caplugs
27	7	No. 43 Clamping Blocks



Settings are for Code II, add 10 1/2" to center Dimension for Code I.

* Indicates number of coil turns.

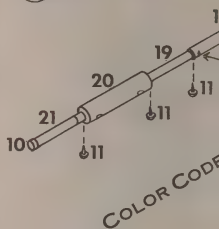
Plastic Caps

Insert one plastic cap end of boom.



Metal Caps

Modify each of the two plug-caps by bending two opposite flanges as shown.

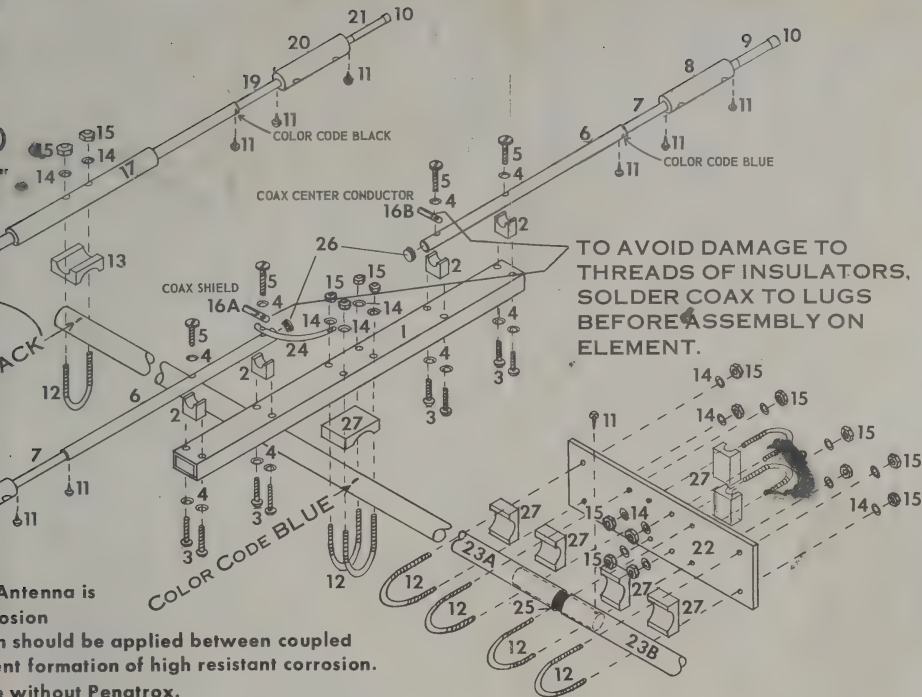


NOTE - This Mosley Be supplied with an anti-compound Penatrox, v sections of tubing to p Elements will not teles

CAUTION: Coil As only; this color sh Reversal of traps v function of beam. Read Directions Car Begin assembly by g according to color c For proper matching mended.

RADIATOR ASSEMB

Loosely install ins (part 1) with Screws Place Element Sec (part 2) so that scr Element (part 6) is assure proper positi vided with breather l Place Screws (part secure to outermost 5) through Lock wa Ground Strap (part



ASSEMBLY

Assemblies are color coded on one end and ALWAYS be nearest the boom. To cause high SWR and other mal-

ly!
ing all element and coil sections

52 ohm coax. RG-8/U is recom-

- Color coded BLUE

ors (part 2) to Element Support and Lock washers (parts 3 and 4).

(part 6) into "V" of Insulator hole on Blue color coded end of ing DOWN. This is important to of coil assemblies that are pros and should face down.

through Lock washers (part 4) and plator (part 2). Place Screw (part 4), Solder Lug (part 16A), Element (part 6) and secure to

Insulator (part 2). Insert Screw (part 5) through Lock washer (part 4), Solder Lug (part 16B), Element (part 6) and secure all insulators. Insert Blue color coded end of Element Section (part 7) into corresponding color coded end of Element (part 6).

Align holes according to frequency chart and secure with Screw (part 11). Insert Blue color coded end of Trap Assembly (part 8) into Element Section (part 7) and secure with Screw (part 11).

Insert Blue Color coded end of Element Section (part 9) into end of Trap Assembly (part 8) and secure with Screw (part 11). Place Caplug (part 10) over outer ends of Element Sections (part 9) and press Metal Cap (part 26) into inboard ends of radiator elements (part 6).

ATTACHING RADIATOR TO BOOM:

Loosely install two U-Bolts (part 12) to Element Support (part 1) with Lock washers and Nuts (parts 14 and 15). At this time attach Ground Strap (part 24) to one of the U-Bolts. Place Support (part 1) directly over Blue color code on Boom (part 23A). Install Clamping Block (part 27) between Element Support (part 1) and Boom (part 23A). Secure with Nuts and Lock washers.

DIRECTOR ASSEMBLY - Color coded BLACK

Element sections (parts 17 & 18) are pre-assembled. Match black color coded end of Element Section (part 19) with corresponding color of Element Section (part 18) according to frequency chart. Insert and secure with Screw (part 11). Insert Black color coded end of Trap Assembly (part 20) into Element Section (part 19), secure with Screw (part 11). Make certain breather holes in trap assemblies face down. Insert Black color coded Element Section (part 21) into end of Trap Assembly (part 20) and secure with Screw (part 11). Place Caplugs (part 10) over outer ends of Element Sections (part 21).

ATTACHING DIRECTOR TO BOOM:

Note that the radius of grooves on Clamping Block (part 13) conforms with radius of Boom (part 23A) and Element (part 17). Insert Clamping Block (part 13) between U-Bolt (part 12) and Element Section (part 17). Place assembled Director Element with Clamping Block (part 13) on Boom. Align U-Bolt with color code on boom and secure.

REFLECTOR ASSEMBLY - Color coded BROWN

To assemble Reflector, follow same instructions as in the Director Assembly, substituting Brown for Black color code.

ATTACHING REFLECTOR TO BOOM:

To attach Reflector Element to boom, follow same instructions as in the Director Assembly, substituting Brown for Black color code. Also substitute Boom (part 23B) for Boom (part 23A).

BOOM ASSEMBLY:

All element assemblies must be on the same plane for proper performance. Place two U-Bolts (part 12) around section of Boom Assembly (part 23A) around Clamping Blocks (part 27) and into holes in Mast Plate (part 22). Be certain mast plate is at right angle to elements. Secure with Nuts and Lock washers (parts 14 and 15). Insert Boom Splice (part 25) into Boom Section (part 23B), align screw holes and secure with Screw (part 11). Join both sections of Boom Assemblies (part 23A and 23B) together by fitting Boom Splice (part 25) into Boom (part 23A). Place two U-Bolts (part 12) around section of Boom Assembly (part 23B), around Clamping Blocks (part 27), into Mast Plate (part 22) and secure with Lock washers and Nuts (parts 14 and 15). The two remaining clamping blocks and hardware are for attaching beam to your mast.

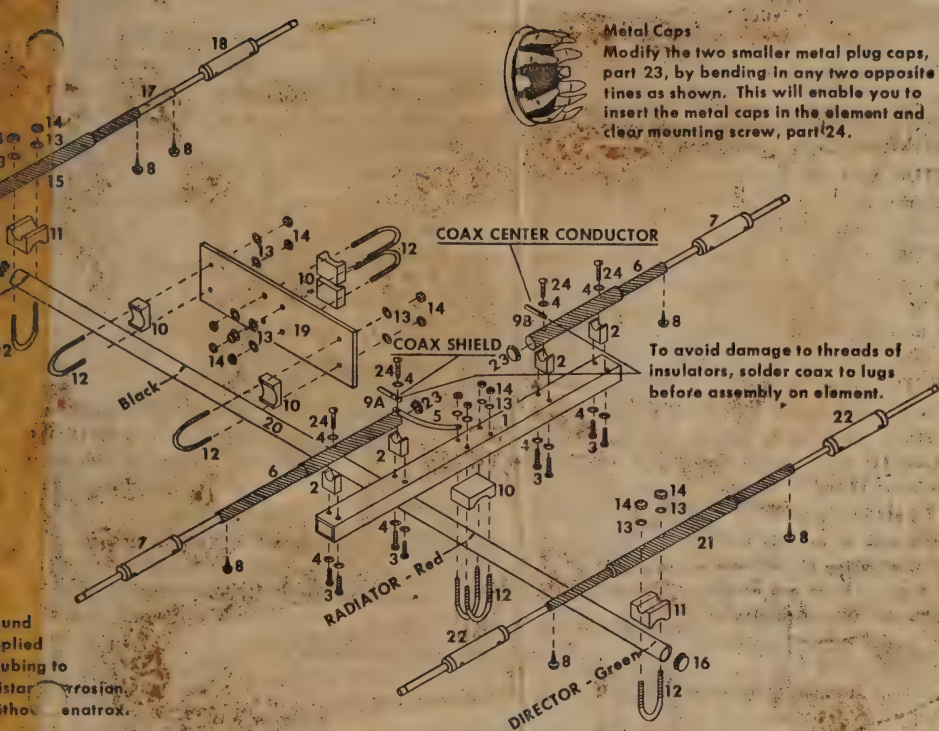
A package of Mosley Weather Guard has been included with this antenna. After antenna has been assembled, spray or brush weather guard over entire unit and let dry before mounting on mast. Be sure weather guard does not prevent good electrical contact between boom and mast.

COLOR CODE		FREQUENCY CHART		
ELEMENT	COLOR	BAND	CODE 1*	11**
Radiator	Blue	10 M	28.1	28.8
Reflector	Brown	15 M	21.050	21.3
Director	Black	20 M	14.050	14.250
*Best for CW.		**Best for Phone		

NOTE: To order replacement parts from instruction sheet, refer to Form No. and Part No.

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4610 North Lindbergh Boulevard
Bridgeton, Missouri



ASSEMBLY

are color coded on one end only; be nearest the boom. Reversal and other malfunction of beam. assembly of the radiator (color may be adjusted. The coding determined from the frequency appear on the reflector (color but on element section (part provided with "breather holes"

plastic cap on one end, indi- of the element and a mois-

element and coil sections according

to color code. For proper matching, use 52 ohm coax. RG-8/U is recommended. Use $\frac{1}{2}$ wavelength or more of coax.

RADIATOR ASSEMBLY - Color Coded Red

Loosely install insulators (part 2) to element support (part 1) with screws and lock washers (parts 3 and 4). Place element assembly (part 6) into "V" of insulators (part 2) so that screw hole on Red color end of element (part 6) is facing down. Place screws (part 24) through washers (part 4) and secure to outermost insulators (part 2). Connect coax cable to solder lugs (part 9). Place screws (part 24) through washer, solder lug, ground strap, and element, (parts 4, 9A, 5 and 6) and secure to insulator (part 2). Insert screw (part 24) through washer, solder lug, and element, (parts 4, 9B, and 6) and secure to insulator (part 2). Secure all insulators. Insert Red color coded end of trap assemblies (part 7) into element sections (part 6) and secure with screws (part 8).

REFLECTOR ASSEMBLY - Color Coded YELLOW

Element (part 15) is pre-assembled with U-bolt (part 12). Without removing U-bolt (part 12), insert element sections (part 17) to desired setting, according to Frequency Chart, and secure with screws (part 8). Place trap assemblies (part 18) into element sections (part 17) and secure with screws (part 8).

DIRECTOR ASSEMBLY - Color Coded GREEN

Element (part 21) is pre-assembled with U-bolt (part 12). Insert trap assemblies (part 22) into element sections (part 21), according to Frequency Chart, and secure with screws (part 8).

RADIATOR ASSEMBLY TO BOOM:

Loosely install two U-bolts (part 12) to element support (part 1) with lock washers, nuts, and ground strap (parts 13, 14, and 5). Push boom (part 20) through U-bolts (part 12) until the Red color code mark on boom is centered under support (part 1). Install clamping block (part 10) between element support (part 1) and boom (part 20) and secure U-bolts.

REFLECTOR AND DIRECTOR ASSEMBLY TO BOOM:

Note that radius of grooves on clamping block (part 11) conforms with radius of boom (part 20) and elements (parts 15 and 21). Place element clamping block (part 11) between U-bolt (part 12) and elements (parts 15 and 21). Place U-bolt (part 12) over boom (part 20) and center on top of corresponding color code on boom. Secure with washers and nuts (parts 13 and 14).

BOOM TO MAST PLATE:

The Black mark on boom is to indicate the center of the mast plate (part 19). Secure mast plate to boom by means of U-bolts, clamping blocks, washers and nuts (parts 12, 10, 13, and 14). Use the same method as on the radiator. The remaining U-bolts and hardware are to be used to clamp your 1½" (outside diameter) mast section to the mast plate. For 2" OD masts Mosley Electronics manufactures Model AK-60 Mast Adapter Kit. This kit includes an aluminum angle, hardware and complete instructions.

A package of Mosley Antenna Coat has been included with this antenna. After antenna has been assembled, spray or brush antenna coat over entire unit and let dry before mounting on mast. Be sure antenna coat does not prevent good electrical contact between boom and mast.

FREQUENCY CHART				
ELEMENT	COLOR	BAND	CODE 1*	11**
RADIATOR	RED	10 Meters	28.5	29.00
REFLECTOR	YELLOW	15 Meters	21.150	21.350
DIRECTOR	GREEN	20 Meters	14.150	14.275
*Best for CW			**Best for Phone	

NOTE: To order replacement parts from instruction sheet, refer to Form No. and Part No.

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MOSLEY ELECTRONICS, INCORPORATED
4610 North Lindbergh Boulevard
Bridgeton, Missouri

ASSEMBLY INSTRUCTIONS
FOR
MOSLEY THREE ELEMENT
TRI-BAND BEAM ANTENNA
TRAP MASTER MODEL TA-33

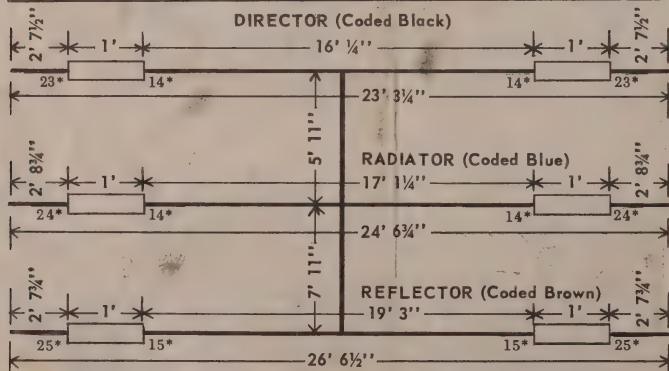
523966



The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitution of materials or modification of design will materially lessen this performance.

PARTS LIST

PART NO.	QUAN.	DESCRIPTION
1	1	Element Support
2	4	Insulators
3	8	10-32 x 1 1/4" Screws
4	12	No. 10 Lock washers
5	4	10-32 x 1 3/4" Screws
6	2	1" OD x .058 wall, Element (coded BLUE)
7	2	7/8" OD x .058 wall, Element (coded BLUE)
8	2	Trap Assemblies (coded BLUE)
9	2	5/8" OD x .035 wall, Element (coded BLUE)
10	6	5/8" Caplugs
11	19	No. 7 Sheet Metal Screws
12	10	U-Bolts
13	2	No. 40 Clamping Blocks
14	20	1/4" Lock washers
15	20	1/4-20 Nuts
16	2	Solder Lugs
17	2	1-1/8" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
18	2	1" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
19	4	7/8" OD x .058 wall, Elements (coded 2 BLACK and 2 BROWN)
20	4	Trap Assemblies (coded 2 BLACK and 2 BROWN)
21	4	5/8" OD x .035 wall, Elements (coded 2 BLACK and 2 BROWN)
22	1	Mast Plate
23	1	Boom
24	1	Ground Strap
25	1	Boom Splice
26	4	2 Metal Caps and 2 Plastic Caplugs
27	7	No. 43 Clamping Blocks



Settings are for Code II, add 10 1/2" to center Dimension for Code I.

* Indicates number of coil turns.

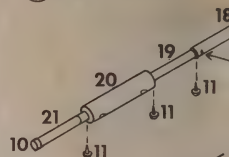
Plastic Caps

Insert one plastic cap in end of boom.



Metal Caps

Modify each of the two plug-caps by bending two opposite lines, as shown.



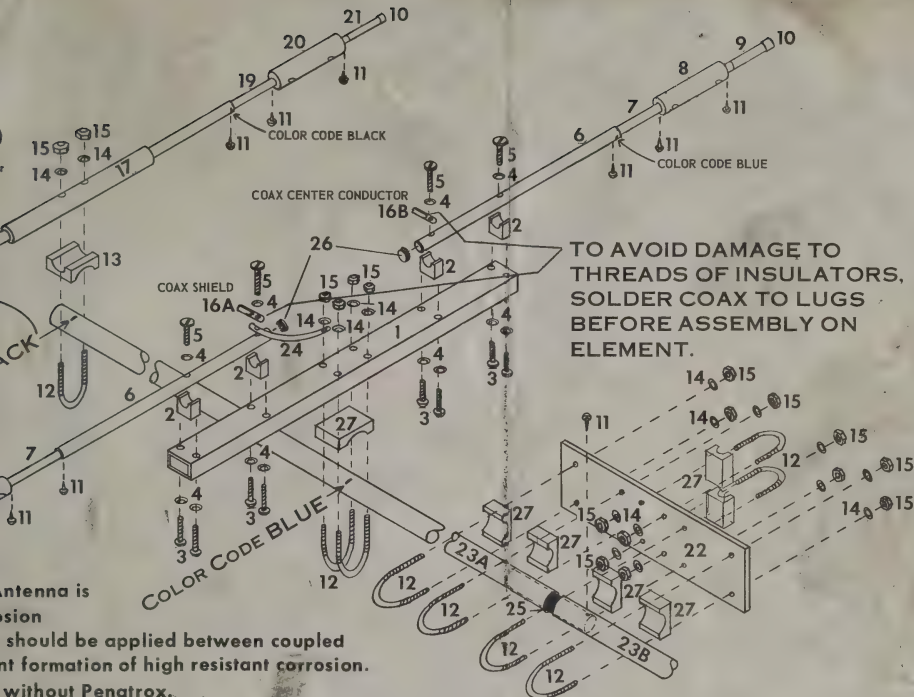
COLOR CODE

NOTE - This Mosley Beam is supplied with an anti-compound Penatrox, w sections of tubing to pr Elements will not teles

CAUTION: Coil Ass only; this color sh Reversal of traps w function of beam.

Read Directions Care Begin assembly by g according to color co For proper matching mended.

RADIATOR ASSEMB Loosely install insu (part 1) with Screws Place Element Sect (part 2) so that scre Element (part 6) is f assure proper positio vided with breather h Place Screws (part 5) secure to outermost 5) through Lock was Ground Strap (part 2



ASSEMBLY

lies are color coded on one end :
ALWAYS be nearest the boom.
cause high SWR and other mal-

yl
ing all element and coil sections
52 ohm coax. RG-8/U is recom-

Color coded BLUE

rs (part 2) to Element Support
Lock washers (parts 3 and 4).
(part 6) into "V" of Insulator
ole on Blue color coded end of
g DOWN. This is important to
of coil assemblies that are pro-
and should face down.
ough Lock washers (part 4) and
ator (part 2). Place Screw (part
(part 4), Solder Lug (part 16A),
Element (part 6) and secure to

Insulator (part 2). Insert Screw (part 5) through Lock washer (part 4), Solder Lug (part 16B), Element (part 6) and secure all insulators. Insert Blue color coded end of Element Section (part 7) into corresponding color coded end of Element (part 6).

Align holes according to frequency chart and secure with Screw (part 11). Insert Blue color coded end of Trap Assembly (part 8) into Element Section (part 7) and secure with Screw (part 11).

Insert Blue Color coded end of Element Section (part 9) into end of Trap Assembly (part 8) and secure with Screw (part 11). Place Caplug (part 10) over outer ends of Element Sections (part 9) and press Metal Cap (part 26) into inboard ends of radiator elements (part 6).

ATTACHING RADIATOR TO BOOM:

Loosely install two U-Bolts (part 12) to Element Support (part 1) with Lock washers and Nuts (parts 14 and 15). At this time attach Ground Strap (part 24) to one of the U-Bolts. Place Support (part 1) directly over Blue color code on Boom (part 23A). Install Clamping Block (part 27) between Element Support (part 1) and Boom (part 23A). Secure with Nuts and Lock washers.

DIRECTOR ASSEMBLY - Color coded BLACK

Element sections (parts 17 & 18) are pre-assembled. Match black color coded end of Element Section (part 19) with corresponding color of Element Section (part 18) according to frequency chart. Insert and secure with Screw (part 11). Insert Black color coded end of Trap Assembly (part 20) into Element Section (part 19), secure with Screw (part 11). Make certain breather holes in trap assemblies face down. Insert Black color coded Element Section (part 21) into end of Trap Assembly (part 20) and secure with Screw (part 11). Place Caplugs (part 10) over outer ends of Element Sections (part 21).

ATTACHING DIRECTOR TO BOOM:

Note that the radius of grooves on Clamping Block (part 13) conforms with radius of Boom (part 23A) and Element (part 17). Insert Clamping Block (part 13) between U-Bolt (part 12) and Element Section (part 17). Place assembled Director Element with Clamping Block (part 13) on Boom. Align U-Bolt with color code on boom and secure.

REFLECTOR ASSEMBLY - Color coded BROWN

To assemble Reflector, follow same instructions as in the Director Assembly, substituting Brown for Black color code. *Use brown color coded tube on 5/8" tubing.*

ATTACHING REFLECTOR TO BOOM:

To attach Reflector Element to boom, follow same instructions as in the Director Assembly, substituting Brown for Black color code. Also substitute Boom (part 23B) for Boom (part 23A).

BOOM ASSEMBLY:

All element assemblies must be on the same plane for proper performance. Place two U-Bolts (part 12) around section of Boom Assembly (part 23A) around Clamping Blocks (part 27) and into holes in Mast Plate (part 22). Be certain mast plate is at right angle to elements. Secure with Nuts and Lock washers (parts 14 and 15). Insert Boom Splice (part 25) into Boom Section (part 23B), align screw holes and secure with Screw (part 11). Join both sections of Boom Assemblies (part 23A and 23B) together by fitting Boom Splice (part 25) into Boom (part 23A). Place two U-Bolts (part 12) around section of Boom Assembly (part 23B), around Clamping Blocks (part 27), into Mast Plate (part 22) and secure with Lock washers and Nuts (parts 14 and 15). The two remaining clamping blocks and hardware are for attaching beam to your mast.

A package of Mosley Weather Guard has been included with this antenna. After antenna has been assembled, spray or brush weatherguard over entire unit and let dry before mounting on mast. Be sure weatherguard does not prevent good electrical contact between boom and mast.

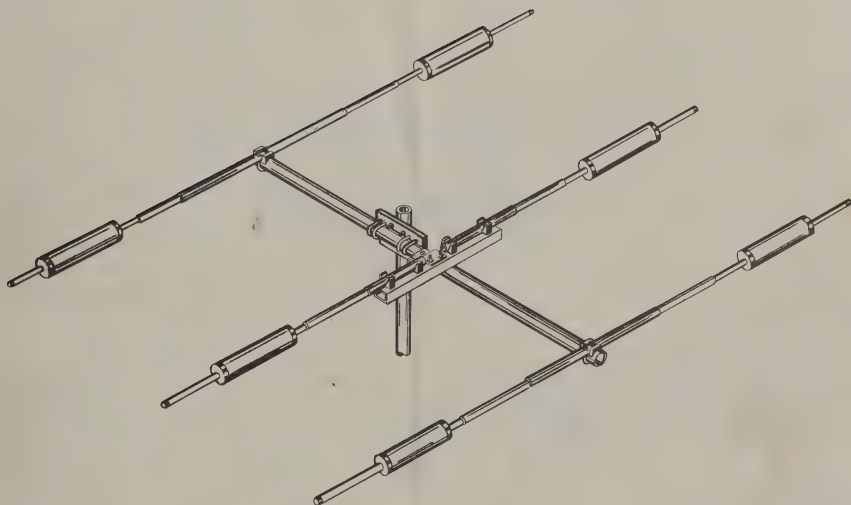
COLOR CODE		FREQUENCY CHART		
ELEMENT	COLOR	BAND	CODE 1*	11**
Radiator	Blue	10 M	28.1	28.8
Reflector	Brown	15 M	21.050	21.3
Director	Black	20 M	14.050	14.250
*Best for CW.			**Best for Phone	

NOTE: To order replacement parts from instruction sheet, refer to Form No. and Part No.

M·E·I

MOSLEY ELECTRONICS, INCORPORATED
4610 North Lindbergh Boulevard
Bridgeton, Missouri

**ASSEMBLY INSTRUCTIONS
FOR
MOSLEY THREE ELEMENT
TRI-BAND BEAM ANTENNA
TRAP MASTER MODEL TA-33**



The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with the instructions supplied. Substitution of materials or modification of design will materially lessen this performance.

PARTS LIST

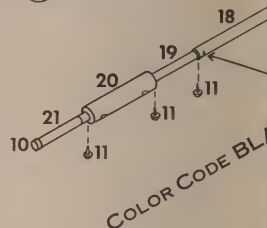
PART NO.	QUAN.	DESCRIPTION
1	1	Element Support
2	4	Insulators
3	8	10-32 x 1 1/4" Screws
4	12	No. 10 Lock washers
5	4	10-32 x 1 3/4" Screws
6	2	1" OD x .058 wall, Element (coded BLUE)
7	2	7/8" OD x .058 wall, Element (coded BLUE)
8	2	Trap Assemblies (coded BLUE)
9	2	5/8" OD x .035 wall, Element (coded BLUE)
10	6	5/8" Caplugs
11	19	No. 7 Sheet Metal Screws
12	10	U-Bolts
13	2	No. 40 Clamping Blocks
14	20	1/4" Lock washers
15	20	1/4-20 Nuts
16	2	Solder Lugs
17	2	1-1/8" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
18	2	1" OD x .058 wall, Elements (coded 1 BLACK and 1 BROWN)
19	4	7/8" OD x .058 wall, Elements (coded 2 BLACK and 2 BROWN)
20	4	Trap Assemblies (coded 2 BLACK and 2 BROWN)
21	4	5/8" OD x .035 wall, Elements (coded 2 BLACK and 2 BROWN)
22	1	Mast Plate
23	1	Boom
24	1	Ground Strap
25	1	Boom Splice
26	4	2 Metal Caps and 2 Plastic Caplugs
27	7	No. 43 Clamping Blocks

Plastic Caps (26)
Insert one plastic cap in each end of boom.



Metal Caps (26)

Modify each of the two small plug-caps by bending in at two opposite times, as shown.



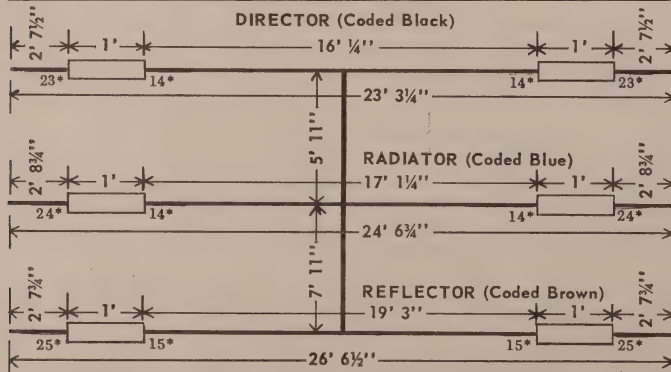
NOTE - This Mosley Beam A supplied with an anti-corro compound Penatrox, which sections of tubing to prevent Elements will not telescope

CAUTION: Coil Assembly only; this color should be reversed of beam. Reversal of beam will function of beam.

Read Directions Carefully. Begin assembly by grouping according to color code. For proper matching use is recommended.

RADIATOR ASSEMBLY -

Loosely install insulator (part 1) with Screws and Place Element Section (part 2) so that screw head Element (part 6) is facing assure proper position. Provide with breather holes. Place Screws (part 5) through secure to outermost Insulator (part 5) through Lock washer (part 5) through Ground Strap (part 24),



Settings are for Code 11, add 10 1/2" to center Dimension for Code 1.

* Indicates number of coil turns.

DIRECTOR ASSEMBLY - Color coded BLACK

Element Sections (parts 17 and 18) are pre-assembled with U-Bolt (part 12), temporarily locking them in position. Without removing U-Bolt, match Black color coded end of Element Section (part 19) with corresponding color of Element Section (part 18) according to frequency chart. Insert and secure with Screw (part 11). Insert Black color coded end of Trap Assembly (part 20) into Element Section (part 19), secure with Screw (part 11). Make certain breather holes in trap assemblies face down. Insert Black color coded Element Section (part 21) into end of Trap Assembly (part 20) and secure with Screw (part 11). Place Caplugs (part 10) over outer ends of Element Sections (part 21).

ATTACHING DIRECTOR TO BOOM:

Note that the radius of grooves on Clamping Block (part 13) conforms with radius of Boom (part 23A) and Element (part 17). Insert Clamping Block (part 13) between U-Bolt (part 12) and Element Section (part 17). Place assembled Director Element with Clamping Block (part 13) on Boom. Align U-Bolt with color code on boom and secure.

REFLECTOR ASSEMBLY - Color coded BROWN

To assemble Reflector, follow same instructions as in the Director Assembly, substituting Brown for Black color code.

ATTACHING REFLECTOR TO BOOM:

To attach Reflector Element to boom, follow same instructions as in the Director Assembly, substituting Brown for Black color code. Also substitute Boom (part 23B) for Boom (part 23A).

BOOM ASSEMBLY:

All element assemblies must be on the same plane for proper performance. Place two U-Bolts (part 12) around section of Boom Assembly (part 23A) around Clamping Blocks (part 27) and into holes in Mast Plate (part 22). Be certain mast plate is at right angle to elements. Secure with Nuts and Lock washers (parts 14 and 15). Insert Boom Splice (part 25) into Boom Section (part 23B), align screw holes and secure with Screw (part 11). Join both sections of Boom Assemblies (part 23A and 23B) together by fitting Boom Splice (part 25) into Boom (part 23A). Place two U-Bolts (part 12) around section of Boom Assembly (part 23B), around Clamping Blocks (part 27), into Mast Plate (part 22) and secure with Lock washers and Nuts (parts 14 and 15). The two remaining clamping blocks and hardware are for attaching beam to your mast.

For 2" OD masts Mosley Electronics manufactures model AK-60 Mast Adapter Kit. This kit includes an aluminum angle, hardware and complete instructions.

A package of Mosley Antenna Coat has been included with this antenna. After antenna has been assembled, spray or brush antenna coat over entire unit and let dry before mounting on mast. Be sure antenna coat does not prevent good electrical contact between boom and mast.

COLOR CODE		FREQUENCY CHART		
ELEMENT	COLOR	BAND	CODE 1*	11**
Radiator	Blue	10 M	28.1	28.8
Reflector	Brown	15 M	21.050	21.3
Director	Black	20 M	14.050	14.275
*Best for CW.		**Best for Phone		

NOTE: To order replacement parts from instruction sheet, refer to Form No. and Part No.

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4610 North Lindbergh Boulevard
Bridgeton, Missouri, 63044.

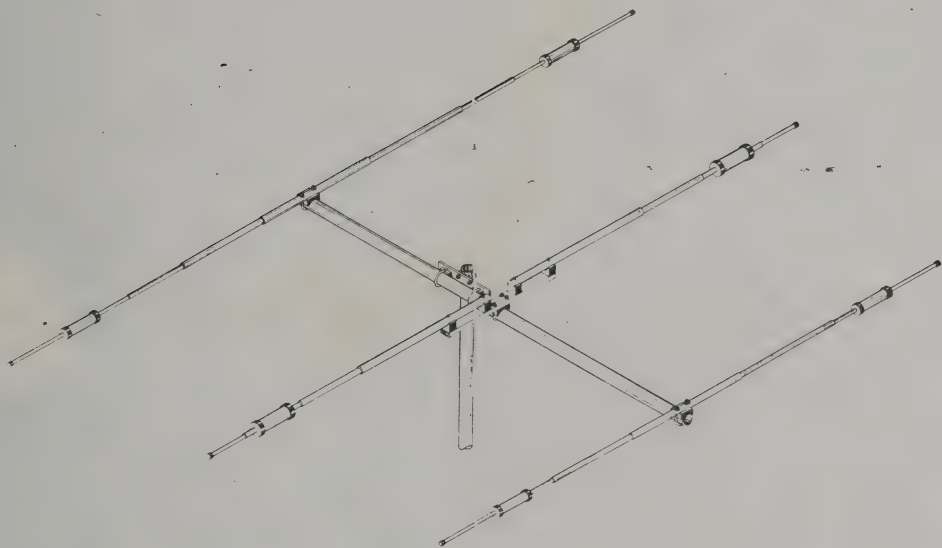
ASSEMBLY INSTRUCTIONS

FOR

MOSLEY THREE ELEMENT

TIG-ARRAY ANTENNA

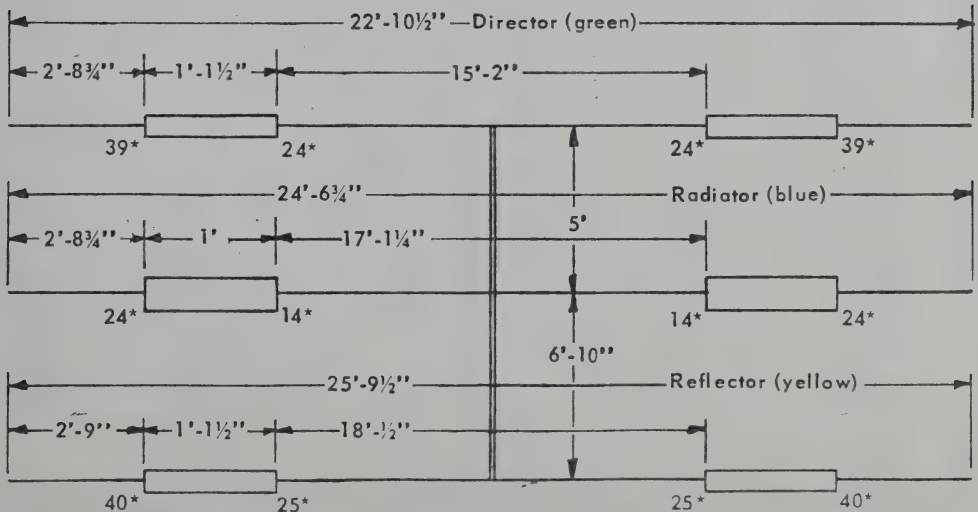
MODEL MP-33



The high performance of your MOSLEY Antenna can only be achieved if the antenna is assembled in accordance with instructions supplied. Substitution of materials or modification of design will materially lessen this performance.

Part List

MOSLEY PART NO.	QUAN.	PART NO.	DESCRIPTION
1001	1	1	Element support
1002	4	2	Insulators
1003	8	3	10-32 x 1 1/4" long, screws
1004	12	4	No. 10 Lockwashers
1005	4	5	10-32 x 1 3/4" long, screws
1006	2	6	1" OD x .058 wall, Element (coded blue)
1007	2	7	7/8" OD x .058 wall, Element (coded blue)
1008	2	8	Trap Assembly (coded blue)
1015	2	9	5/8" OD x .035 wall, Element (coded blue)
1016	2	10	5/8" Caplugs
1113	12	11	No. 6 x 3/8" long sheet metal screw
1018	8	12	U-bolts
1061	2	13	No. 41 Clamping blocks
1014	16	14	1/4" Lockwashers
1020	16	15	1/4-20 Nuts
1344	1	17	3/4" & 7/8" OD x .058 wall, Element (coded yellow)
1283	2	18	5/8" OD x .058 wall, Element (coded yellow)
1275	2	19	Trap assembly (coded yellow)
1346	1	20	5/8" & 3/4" OD x .058 wall, Element (coded green)
1278	2	21	Trap assembly (coded green)
1266	5	22	No. 44 Clamping blocks
1034	1	23	Ground strap
1036	2	24	1" Metal caps
1267	2	25	1 1/4" Metal caps
1280-1	1	26	Boom 1 1/4" x 12' long
1030	1	27	Mast plate



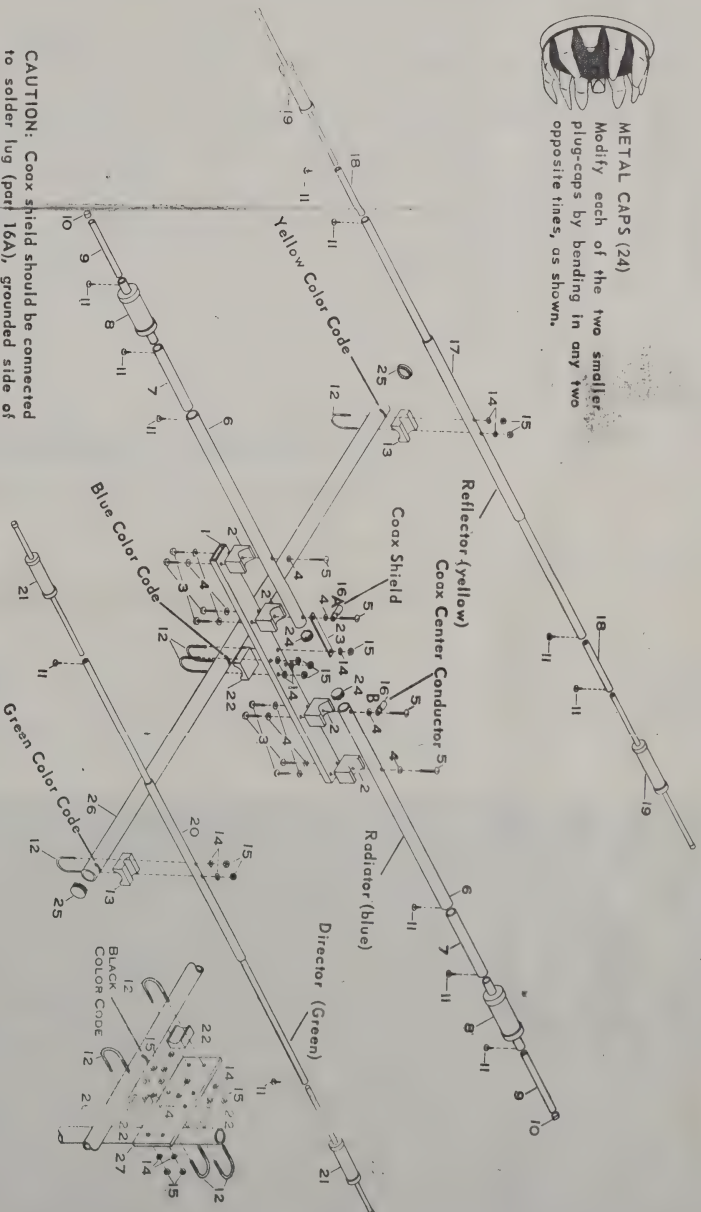
Settings are for Code II, add 10 1/2" to center dimension for Code I.
 * Indicates number of coil turns.

Part List

MOSLEY PART NO.	QUAN.	PART NO.	DESCRIPTION
1001	1	1	Element support
1002	4	2	Insulators
1003	8	3	10-32 x 1 1/4" long, screws
1004	12	4	No. 10 Lockwashers
1005	12	5	10-32 x 1 3/4" long, screws
1006	2	6	1" OD x .058 wall, Element (coded blue)
1007	2	7	7/8" OD x .058 wall, Element (coded blue)
1008	2	8	Trap Assembly (coded blue)
1015	2	9	5/8" OD x .035 wall, Element (coded blue)
1016	2	10	5/8" Caplugs
1113	12	11	No. 6 x 3/8" long sheet metal screw
1018	8	12	U-bolts
1061	2	13	No. 41 Clamping blocks
1014	16	14	1/4" Lockwashers
1020	16	15	1/4-20 Nuts
1344	1	17	3/4" x 7/8" OD x .058 wall, Element (coded yellow)
1283	2	18	5/8" OD x .058 wall, Element (coded yellow)
1275	2	19	Trap assembly (coded yellow)
1346	1	20	5/8" x 3/4" OD x .058 wall, Element (coded green)
1278	2	21	Trap assembly (coded green)
1266	5	22	No. 44 Clamping blocks
1034	1	23	Ground strap
1036	2	24	1" Metal caps
1267	2	25	1 1/4" Metal caps
1280-1	1	26	Boom 1 1/2" x 12" long
1030	1	27	Most Plate



METAL CAPS (24)
Modify each of the two smaller plug-caps by bending in any two opposite times, as shown.



Assembly

CAUTION: Coax shield should be connected to solder lug (part 16A), grounded side of antenna; Coax center conductor should be connected to solder lug (part 16B).

CAUTION: Coil assemblies are color coded on one end only; this color code should always be nearest the boom. Reversal of traps will cause high SWR and other malfunction of beam. The coding on the adjusting holes may be determined from the frequency chart. Adjusting holes do not appear on the reflector trap assembly yellow and radiator trap assembly blue, but on elements sections (parts 18&7).

All trap assemblies are provided with breather holes and should face down.

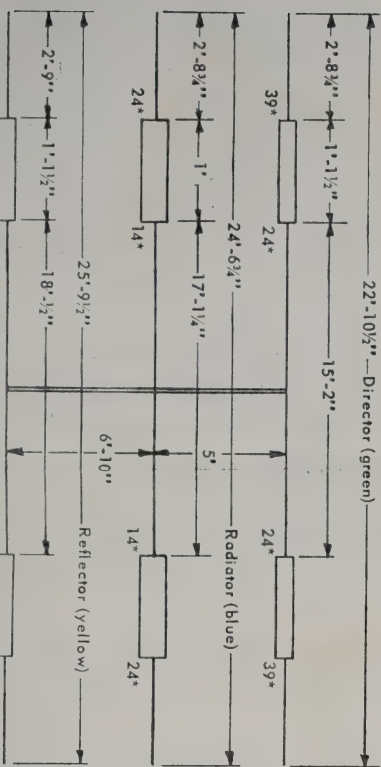
The reflector and director trap assemblies have a 1/2" plastic coupling on one end, indicating that it is the outside end of the element and a moisture seal. **DO NOT REMOVE!**

Begin assembly by grouping all elements and coil sections according to color code. For proper matching, RG8/U 52 ohm coax is recommended.

NOTE: This Mosley Beam Antenna is supplied with an anti-corrosion compound penetrax, which should be applied between coupled sections of tubing to prevent formation of high resistant corrosion. Elements will not telescope without penetrax.

RADIATOR ELEMENT ASSEMBLY - Color Coded Blue

Loosely install insulator (part 2) to element support (part 1) with screw and lockwasher (parts 3 and 4). Place element section (part 6) into "V" of insulator (part 2) so that screw hole on blue color coded end of element (part 6) is facing down. This is important to assure proper position of the coil assemblies that are provided with breather holes and should face down. Place screw (part 5) through lockwasher (part 4) and secure to outermost insulator (part 2). Place screw (part 5) through solder lug (part 16A), lockwasher (part 4), ground strap (part 23), element (part 6) and secure to insulator (part 2). Insert screw (part 5) through solder lug (part 16B), lockwasher (part 4), element (part 6) and secure all insulators. Insert blue color coded end of element section (part 7) into corresponding color coded end of element (part 6). Align holes according to frequency chart and secure with screw (part 11). Insert blue color coded end of trap assembly (part 8) into element section (part 7) and secure with screw (part 11). Insert blue color coded end of element section (part 9) into end of trap assembly (part 8) and secure with screw (part 11). Place coupling (part 10) over ends of element sections (part 9) and press metal cap (part 24) into inboard end of radiator element (part 6).



Settings are for Code II, add 10 1/2" to center dimension for Code I.
* Indicates number of coil turns.

RADIATOR TO BOOM ASSEMBLY:

Loosely install two U-bolts (part 12) to element support (part 1) with lockwasher and nuts (parts 14 and 15). At this time attach ground strap (part 23) to one of the U-bolts. Place support (part 1) directly over blue color code mark on boom (part 26). Install clamping block (part 22) between element support (part 1) and boom (part 26). Secure nuts and lockwashers.

REFLECTOR ELEMENT ASSEMBLY - Color Coded Yellow

Element section (part 17) is Factory pre-assembled. Center the holes in element (part 17) color coded yellow over yellow color code on boom (part 26). Place U-bolt (part 12) around yellow color code on boom (part 26), clamping block (part 13) and into the two holes in element (part 17). Secure U-bolt with nuts and lockwashers (parts 15 & 14). Telescope element section (part 18) color coded yellow into element (part 17) and align holes according to the desired frequency on frequency chart and secure with screws (part 11). Place trap assembly (part 19) color coded yellow into element (part 18), and secure with screws (part 11).

DIRECTOR ELEMENT ASSEMBLY - Color Coded Green

Element (part 20) is Factory pre-assembled. Center the holes in element (part 20) color coded green over green color code on boom (part 26). Place U-bolt (part 12) around green color code on boom (part 26), clamping block (part 13) and into two holes in element (part 20). Secure U-bolt with nuts and lockwashers (parts 15 & 14). Place trap assembly (part 21) color coded green into element (part 20), align holes according to frequency chart and secure with screws (part 11).

BOOM TO MAST PLATE ASSEMBLY:

Center mast plate (part 27) over black color coded mark on boom (part 26). Place clamping blocks (part 22) between boom (part 26) and mast plate (part 27). Place U-bolts (part 12) around boom (part 26), clamping blocks (part 22) and into holes in mast plate (part 27) securing with nuts and lockwashers (parts 14 & 15). The remaining nuts, lockwashers, clamping blocks and U-bolts are for attaching the antenna to the mast.

A package of Mosley Antenna Coat has been included with this antenna. After antenna has been assembled, spray or brush antenna coat over entire unit and let dry before mounting on mast. Be sure antenna coat does not prevent good electrical contact between boom and mast.

NOTE: To order replacement parts from instruction sheet, refer to Form No., Mosley Part No. and Part no.

FREQUENCY CHART				
ELEMENT	COLOR	BA ND	CODE I*	CODE II**
RADIATOR	BLUE	10 Meters	28.1	28.8
REFLECTOR	YELLOW	15 Meters	21.050	21.3
DIRECTOR	GREEN	20 Meters	14.050	14.275
* Best for CW			** Best for Phone	

Mosley Electronics, Inc.
4610 N. LINDBERGH BLVD., BRIDGETON, MISSOURI

Amateur Antenna Catalog



Check out our Tig-A-Ray, the NEW CL-39, and the NEW PRO-96-S killer antenna!

Mosley Electronics, Inc.

1325 Style Master Drive, Union, Missouri 63084

Orders: 1-800-325-4016 or 1-800-966-7539 Technical: 1-314-583-8595 Fax: 1-314-583-0890
Web: mosley-electronics.com Email: mosley@mosley-electronics.com

Saving you MONEY Factory Direct!

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All Prices and Specifications in this catalog are subject to change without notice or obligation.
All orders are subject to a insurance, handling, shipping, restocking charge and taxes if applicable.

Welcome to the world of Mosley.

Please take a few minutes to review a few facts about Mosley and it's products.

The Single Cover Dual Coil Trap "Mosley Invented"



And Has Been in Realiable Use for over 45 Years!

- < > Are you aware that Mosley created the first Tri-Band Beam using a single metal enclosed trap?
- < > That we have used stainless steel hardware in and on our products for 50 years?
- < > Did you know that Mosley was the first to create a 4 frequency beam which would out perform a log cell antenna in gain on the 4 independent frequencies over 40 years ago?
- < > That in 1979 Mosley created the first beam in the world that was designed to operate on 6 independent frequencies on a single boom using a single feed line that emulated 3 element mono band antennas on those same frequencies? Research our competitors and look up in old Amateur publications to see who came out with what products first. Mosley has always been in the forefront of design and innovative products for the amateur.
- < > Mosley has caused the antenna industry to become more responsive to the Amateur Market place? Especially over the last fourteen years? Prior to the introduction of our PRO Series, the only multi banded antennas were tri banders and logs.
- < > That our element to boom mounting clamps are made out of the highest quality of aluminum with our own aluminum sand casting dyes? That all of our aluminum castings are made by us with our tooling?
- < > That our traps, coil forms, and other plastic parts were designed by us and are made with our own Injection Dyes and 200+ ton mold injectors?

- < > That our tubing is specially made for Mosley with the values that we specify? That the tubing we use is seamless drawn polished aircraft grade, which has telescoping tolerance of .003 to .005 +/- ? If you have ever bought aluminum tubing, you would know that there is a tremendous difference in the quality between drawn seamless and extruded. Extruded tubing is cheaper and the closest tolerance this can be made to is .020 to .025 +/- . Twenty thousandths is a lot of distance between sizes. When our competitors use this grade of tubing, must be slit and compressed over and around the inserted piece. Therefore you could have a situation of one size of tubing having a .020+ tolerance and the smaller inserted piece of tubing having a .020- tolerance.
- < > That not only does our tubing glove sleeve, it is color coded and pre drilled on our automated drill line? That our automated line allows us to drill all the holes on a single piece of tubing at the same time within a 32nd of an inch accuracy?
- < > That this process gives you a quality product which is easy to assemble and will give you years of reliable use? That the average in use period of time for a Mosley is 25 years? That the antenna can be reconditioned with parts from our parts department which contains parts going back 50 years at a nominal cost? That once the antenna is reconditioned, it will go another 25 years?
- < > That because of the way we make our product, there is no need for you to measure or adjust the antenna? That the various pieces of the antenna and boom are pre-drilled and color coded? That to assemble the elements, you simply match the same colored pieces together, align the holes and set them with a stainless screw? That to attach the elements, you simply match the color on the element to the same color code on the boom? Assembly couldn't be easier! Ninety-Nine per cent of the time the only tools needed are a screw driver and an adjustable wrench!
- < > That the reason your Mosley antenna works as good as our test model is due to all of the special material, drilling, handling and work that goes into building your Mosley antenna before you even get it? You can see how much hands on labor we use in building a Mosley product. When demand is extra high for our product, we will run behind because there is no way to rush the lengthy procedures and testing. We want you to experience Mosley's quality!
- < > Do you know the amount of time it takes run 500 to a 1000 of an antenna model? Just the time to run the tubing on our air lines takes 80 working hours per model. With one shift, this run would take 10 working days. With two shifts, it would take 5 working days. The best we can do is with three shifts and it would take 2-1/2 working days, 24 hours a day to do just one type of product. You can see the amount of organization and time it takes to run just 25 separate models. Not to mention the time needed to test and inspect the finished pieces and traps, box and ship the product.
- < > That our competitors don't have the amount of labor Mosley has in building their products? For the most part our competitors just box the raw tubing and the customer furnishes the labor for the assembly and adjustment of the antenna?
- < > That our competitors don't have the same material delays that Mosley does due to the custom nature of the materials we use? All of our materials are especially made to our specifications. An example: Our 2" boom splice is 1.876 OD, with a wall of .120, if we use more boom splice than we had planned for, due to a rush military order, etc., we have to wait until the mill can run this size for us. The average rush turn around is 6 to 8 weeks. In 1994, the alloy we use in our tubing was so rare it took 35 weeks for us just to receive the material!
- < > When we have delays, we hope you feel our Mosley antenna is worth waiting for, especially when you consider it has the capability of being used forever!
- < > You can be assured that our goal is to build you the best product that is capable of being made at a very competitive price!
- < > That Mosley is the only manufacturer using the EIA engineering standard of 80 M.p.h. for establishing our wind loads? Most everyone else is using 50 or 60 M.p.h. trying to give the appearance of the same quality product as a Mosley? From the beginning of Mosley, our antennas and parts have been designed to be stronger and last longer, with a higher wind capability than our competitors.
- < > That Mosley uses small unnoticed amenities with our products, such as, where stainless steel mates with stainless steel, Mosley uses a Phosphorus Bronze washer to act as a barrier so the stainless parts won't seize? These types of little features are laced throughout a Mosley antenna.
- < > That Mosley was the first in the industry to offer a two year warranty?
- < > That Mosley antennas have survived ice storms, snow storms, sand storms, and hurricanes around the world? We could cheapen our products with lesser materials, which would allow us to lower prices and better compete with our competitors prices, but then our products wouldn't be a Mosley.

Revelations

The Mosley "Trap Master" trap, the TA-33, the TA-33-JR, the CLASSIC 33 and other fine Mosley products have become the most copied antenna products in the world! Regardless of how our competitors try to sell you on their copies, they still aren't a Mosley! The biggest favor you can do for yourself, when it comes to buying an antenna, is to just remember the name "Mosley", "A Better Antenna!" Even today, competitors are copying our designs, traps, trademarks, and infringing our patents so they can try and get as close to a Mosley made product as they possibly can. Some are even saying their changed traps are a new LC trap design, giving you the impression that these are new to the industry! These designs might be new to them, but they're not to Mosley. Mosley invented it! Mosley has thousands of antenna owners that have been using and taking advantage of our trap design for over 50 years. Hopefully, the amateur of today recognizes the facts of our industry and isn't taken in by the "Pretty Pictures", ironically the "Higher Prices" and the "Misleading Phrases" some of our competitors use. Just because something is said or shown over and over, it doesn't change the facts! Don't be taken in by all of the advertising hype. Check it out! Ask someone on the air who has been using a Mosley product for the last 30 years. They'll be glad to give you the facts. Mosley has been making these products and have had them in use longer than our competitors have been building HF antennas! If you're new to amateur radio and you want to become an antenna expert to protect yourself, just remember to buy a Mosley and you'll automatically become an expert. Get the original! A Mosley Trap Master... "Still A Better Antenna!" We can't cover all the reasons we feel that when you purchase a MOSLEY, you are getting the best value in an antenna product that you can buy! Dollar for dollar, Mosley provides you with the best products you can buy anywhere in the world. Check out the weight differences, the band widths, the SWR curves, and the frequencies covered for a similar antenna and we think you will agree with us that Mosley delivers the best all around products in the industry! This catalog contains the antennas, which we have received the most request for from the Amateur community. Mosley has over 4,500 different types of antennas on file in our engineering department. If there is a special or custom antenna that you have need of, call our engineering department and we will try and help fill your request. Thank you for your interest in MOSLEY!

Mosley... "A Better Antenna"



Here's two pictures of our new amateur facility. We are in the process of setting up our antenna range, and are very excited about getting the range completely fired up. Once the systems are installed, look for us on the air. We will be using KOVUW's call, signing portable zero.

Once we have all of our production area, and shack setup, we will be able to have visitors. Our new QTH is very close to interstate 44. This is a very popular highway, and if your headed southwest or northeast in the mid-west, give us a call on 147.24 and we'll be glad to visit with you!

If you have time to stop by we will be glad to let you use our station. Please make sure you have a valid operators license with you.

"Feed For Thought"

Feed Systems for HF Antennas - The Simpler, the Better!

Despite popular belief, linear radiators, normally employed in 2 and 3 element parasitic arrays, have a driving point impedance of close to 52 ohms when open at the center. To feed such a radiator it is only necessary to connect a 52 ohm line at this point to achieve the best possible match of line to antenna.

However, because of certain design characteristics, some beam antennas require elaborate, and sometime unstable matching devices, such as *Gamma* or *T-Match* systems or variations of these systems. Such devices are usually difficult to adjust and to maintain in adjustment when used in multi-band beams.

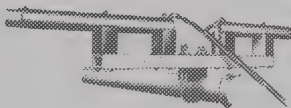
MOSLEY "TRAP MASTER" beams, however, are so designed as to not require any unwieldy matching arrangements. Our beams are fed by connecting the line directly to the **open center** of the radiator. Thus, an excellent match is achieved over the entire width of each Ham band resulting in extremely low SWR near resonant frequencies of each band and the ability to *range* from one end of the band to the other without



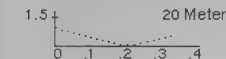
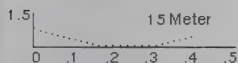
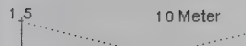
excessive SWR. By eliminating such matching devices, MOSLEY "TRAP MASTER" beams provide their users with stable and dependable operation without the necessity of frequent trips to the roof or up the tower to make readjustments.

The coax we recommend for HF antennas* is a good grade of **RG-8U** or **RG-213**. These coaxes will give you a good, stable, consistent match to your antenna. *We do not recommend 9913 coax being used in HF applications.

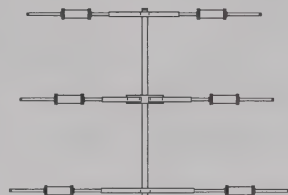
The Original! Mosley TA-33-M
("The Best Known Tri-Bander in the World")
10-15-20 Meter, 3 Element Beam



Mosley Direct Feed, which makes a perfect match to your coax!

**Specification and Performance Data**

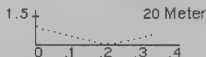
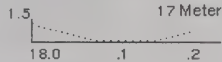
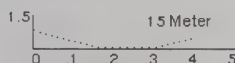
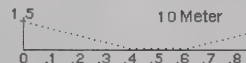
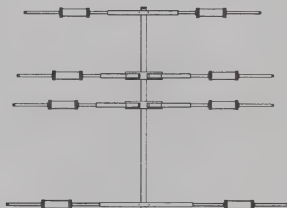
Forward Gain:	10 Meter	8.3 dbd.
	15 Meter	7.3 dbd.
	20 Meter	6.5 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	20 db.
	20 Meter	20 db.
Power Rating:	CW	1.5 KW
	SSB	2.5 KW
SWR at frequency:	1.0/1 to 1.4/1	
Boom Length:		14 ft.
Turning Radius:		15' 6"
Mast Size:	1-1/2 or 2 in.	
Maximum Element Length:		28 ft.
Assembled Weight (approx.):		37 lbs.
Wind Surface Area (in sq. ft.):		6.7 ft ²
Wind Load (EIA standard 80 M.P.H.):		114 lbs.
Shipping Weight (approx.):		42 lbs.
Warranty:		2 Years

**Mosley TA-33-M-WARC**

10, 12, 15, 17, 20 Meters

Specification and Performance Data

Forward Gain:	10 Meter	8.3 dbd.
	12 Meter	0.0 dbd.
	15 Meter	7.3 dbd.
	17 Meter	0.0 dbd.
	20 Meter	6.5 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	0 db.
	15 Meter	20 db.
	17 Meter	0 db.
	20 Meter	20 db.
Power Rating:	CW	1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		14 ft.
Turning Radius:		15 ft. 6 in.
Mast Size:		1-1/2" or 2"
Maximum Element Length:		28 ft.
Assembled Weight (approx.):		42 lbs.
Wind Surface Area (in sq. ft.):		6.7 ft ²
Wind Load (EIA standard 80 M.P.H.):		129 lbs.
Shipping Weight (approx.):		52 lbs.
Warranty:		2 Years



Mosley... "A Better Antenna"

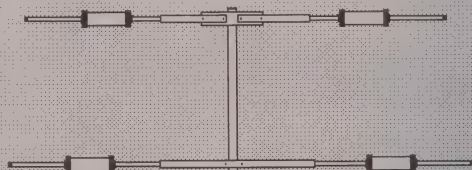
Mosley TA-32-M

10-15-20 Meter

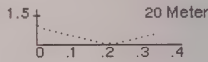
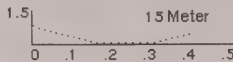
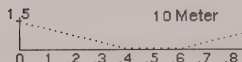
2 Element Beam

Specification and Performance Data

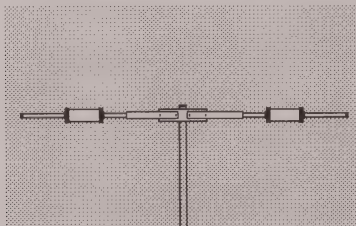
Forward Gain:	
10 Meter	5.5 dbd.
15 Meter	4.6 dbd.
20 Meter	3.8 dbd.
Front-to-Back Ratio:	20 db.
Power Rating:	
CW	1.5 KW
P.E.P. SSB	2.5 KW
SWR at resonant frequency:	1.0/1 to 1.5/1
Boom Length:	7 ft.
Turning Radius:	14 ft. 6 in.
Recommended Mast Size:	1-1/2 in. - 2 in.
Maximum Element Length:	28 ft.
Assembled Weight (approx.):	26 lbs.
Wind Surface Area (in sq. ft.):	3.7 ft. ²
Wind Load (EIA standard 80 M.P.H.):	74 lbs.
Shipping Weight (approx.):	32 lbs.
Warranty:	2 Years



Start with the TA-32-M and build to a TA-33-M with the 32/33 kit when space and money permit!



Start with the TA-31-M Rotatable Dipole and build to a TA-32-M with the 31/32 kit or a TA-33-M with the 31/33 kit, when space and money permit!

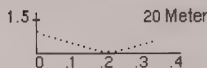
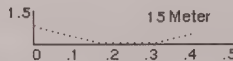
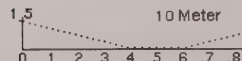


Mosley TA-31-M

10, 15, 20 Meters

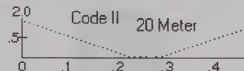
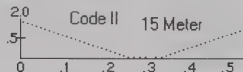
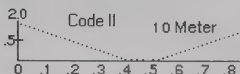
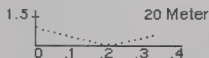
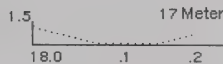
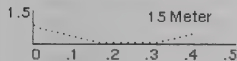
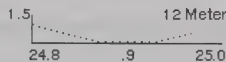
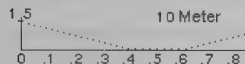
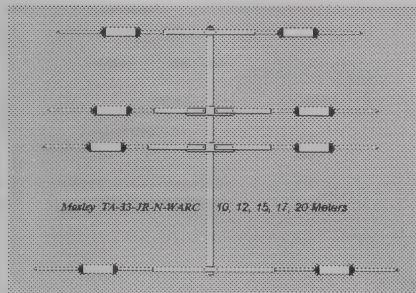
Specification and Performance Data

Forward Gain:		
10 Meter		0 dbd.
15 Meter		0 dbd.
20 Meter		0 dbd.
Front-to-Back Ratio:		0 db.
Power Rating:	CW	1.5 KW
	P.E.P. SSB	2.5 KW
SWR at resonant frequency:		1.5/1 or better
Turning Radius:		12 ft.
Recommended Mast Size:		1-1/2 in.-2 in.
Maximum Element Length:		23 ft. 11 in.
Assembled Weight (approx.):		11 lbs.
Wind Surface Area (in sq. ft.):		1.2 ft. ²
Wind Load (EIA standard 80 M.P.H.):		40 lbs.
Shipping Weight (approx.):		14 lbs.
Warranty:		2 Years



Mosley TA-33-JR-N**"The Original Light Weight Tri-Bander"****10-15-20 Meter, 3 Element Beam****"Most Popular Small Tri Band in the World!"****Specification and Performance Data**

Forward Gain:	10 Meter	8.0 dbd.
	15 Meter	6.8 dbd.
	20 Meter	5.8 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	20 db.
	20 Meter	20 db.
Power Rating:	CW	.5 KW
	SSB	1.2 KW
SWR at frequency:		1.0/1 to 1.6/1
Boom Length:		12 ft.
Turning Radius:		14' 9"
Mast Size:		1-1/2"
Maximum Element Length:		26 ft. 8"
Assembled Weight (approx.):		21 lbs.
Wind Surface Area (in sq. ft.):		4.3 ft. ²
Wind Load (EIA standard 80 M.P.H.):		86 lbs.
Shipping Weight (approx.):		30 lbs.
Warranty:		2 Years

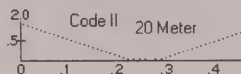
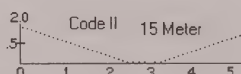
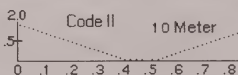
*"With the Copies of our TA-33-JR you can't add 12 & 17 meters!"**"Five Bands in One Small Package at a low price!"***TA-33-JR-N-WARC****Specification and Performance Data**

Forward Gain:	10 Meter	8.1 dbd.
	12 Meter	0.0 dbd.
	15 Meter	6.9 dbd.
	17 Meter	0.0 dbd.
	20 Meter	5.8 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	0 db.
	15 Meter	20 db.
	17 Meter	0 db.
	20 Meter	20 db.
Power Rating:	CW	.5 KW
	SSB	1.2 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		12 ft.
Turning Radius:		14 ft. 9 in.
Mast Size:		1-1/2 in.
Maximum Element Length:		27 ft. 4"
Assembled Weight (approx.):		27 lbs.
Wind Surface Area (in sq. ft.):		4.9 ft. ²
Wind Load (EIA standard 80 M.P.H.):		96 lbs.
Shipping Weight (approx.):		35 lbs.
Warranty:		2 Years

MP-33-N "Tig-A-Ray"

Specification and Performance Data

Forward Gain:	10 Meter	8.0 dbd.
	15 Meter	6.8 dbd.
	20 Meter	5.8 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	20 db.
	20 Meter	20 db.
Power Rating:	CW	1.1 KW
	SSB	2.0 KW
SWR at frequency:		1.0/1 to 1.6/1
Boom Length:		12 ft.
Turning Radius:		14' 9"
Mast Size:		1-1/2"
Maximum Element Length:		26 ft. 8"
Assembled Weight (approx.):		21 lbs.
Wind Surface Area (in sq. ft.):		4.7 ft. ²
Wind Load (EIA standard 80 MPH):		86lbs.
Shipping Weight (approx.):		30 lbs.
Warranty:		2 Years

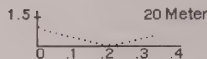
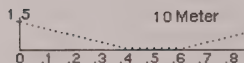
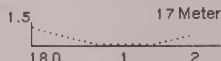
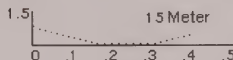
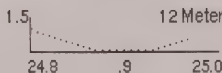
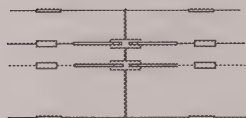


Light Weight and Compact. The MP-33-N Uses two TA-33-Jr. elements on the Director and Reflector. For the Radiator, it uses the High Power TA-33-M Radiator. This gives the MP-33-N a High Power Capability and you can add a 40 or 30 meter kit to the radiator!

Use the TA-40-KR or TA-30-KR kit when adding 40 or 30 meters to this antenna.

Mosley MP-33-N-WARC

10, 12, 15, 17, 20 Meters

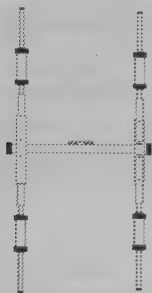


Specification and Performance Data

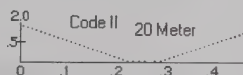
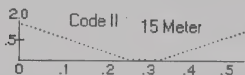
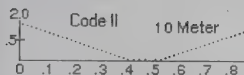
Forward Gain:	10 Meter	8.1 dbd.
	12 Meter	0.0 dbd.
	15 Meter	6.8 dbd.
	17 Meter	0.0 dbd.
	20 Meter	5.8 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	0 db.
	15 Meter	20 db.
	17 Meter	0 db.
	20 Meter	20 db.
Power Rating:	CW	1.1 KW
	SSB	2.0 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		12 ft.
Turning Radius:		15 ft.
Recommended Mast Size:		1-1/2 in.
Maximum Element Length:		27 ft. 1"
Assembled Weight (approx.):		29 lbs.
Wind Surface Area (in sq. ft.):		5.4 ft. ²
Wind Load (EIA standard 80 M.P.H.):		116 lbs.
Shipping Weight (approx.):		35 lbs.
Warranty:		2 Years

Use the TA-40-KR or TA-30-KR kit when adding 40 or 30 meters to this antenna.

Start with the TA-32-JR-N and build to a TA-33-JR-N with the 32/33-JR kit when space and money permit!



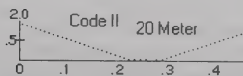
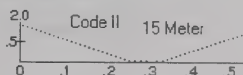
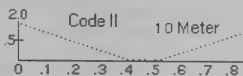
Specification and Performance Data		
Forward Gain:	10 Meter	5.5 dbd.
	15 Meter	4.5 dbd.
	20 Meter	3.1 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	20 db.
	20 Meter	20 db.
Power Rating:	CW	.5 KW
	SSB	1.2 KW
SWR at frequency:	1.0/1 to 1.6/1	
Boom Length:	6 ft.	
Turning Radius:	13' 9"	
Mast Size:	1-1/2"	
Maximum Element Length:	26 ft. 8"	
Assembled Weight (approx.):	14 lbs.	
Wind Surface Area (in sq. ft.):	2.5 ft. ²	
Wind Load (EIA standard 80 M.P.H.):	62 lbs.	
Shipping Weight (approx.):	25 lbs.	
Warranty:	2 Years	



Mosley TA-31-JR-N

10-15-20 Meter

Start with the TA-31-JR-N Rotatable Dipole and build to a TA-32-JR-N with the 31/32-JR kit or a TA-33-JR-N with the 31/33-JR kit, when space and money permit!



Specification and Performance Data		
Forward Gain:	10 Meter	0 dbd.
	15 Meter	0 dbd.
	20 Meter	0 dbd.
Front-to-Back:	10 Meter	0 db.
	15 Meter	0 db.
	20 Meter	0 db.
Power Rating:	CW	.5 KW
	SSB	1.2 KW
SWR at frequency:	1.0/1 to 1.6/1	
Boom Length:	N/A	
Turning Radius:	12 ft.	
Mast Size:	1-1/2"	
Maximum Element Length:	23' 11"	
Assembled Weight (approx.):	9 lbs.	
Wind Surface Area (in sq. ft.):	0.8 ft. ²	
Wind Load (EIA standard 80 M.P.H.):	30 lbs.	
Shipping Weight (approx.):	25 lbs.	
Warranty:	2 Years	

Mosley... "A Better Antenna"

TRUE FOUR ELEMENT TRI-BANDER

You need a 5 element wide space mono-band beam to beat the XL on 10 or 15 meters.

Mosley TA-34-XL

4 Element Beam on each band

10-15-20 Meter

"The Gun", the TA-34-XL

For those who have a limited amount of antenna space and are mainly interested in 10, 15, and 20 meters.

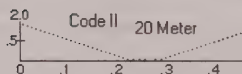
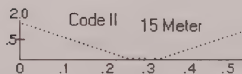
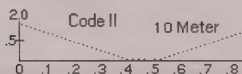
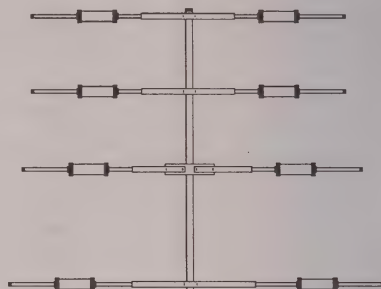
The TA-34-XL is a 4 element beam for 10, 15, and 20 meters, with true 4 element mono band performance on 10, 15 meters. On 20 meters the "XL" has good gain and front-to-back ratios.

The TA-34-XL incorporates the "Trap-Master" quality giving exceptionally broad banded performance to give excellent results over the full Ham bandwidth.

Exclusive Mosley Trap design offers resonant frequency stability under all weather conditions.

Element center sections are double walled to reduce sag. Boom is 2 inch O.D. with a wall thickness of .104 +.125 at the sections. The TA-34-XL use a heavy duty mounting plate that fits a 2 in. O.D. mast.

Antenna easily handles 1.5 KW on CW and 2.5 KW P.E.P. on SSB. The TA-34-XL may be used on 30 or 40 meters by adding a KR conversion kit. To add 12 and 17 meters use a SR WARC Kit.



TA-34-XL
SWR

Specification and Performance Data

Forward Gain:	
10 Meter	9.5 dbd.
15 Meter	9.1 dbd.
20 Meter	8.2 dbd.
Front-to-Back Ratio:	
10 Meter	18 db.
15 Meter	18 db.
20 Meter	18 db.
Power Rating: CW	1.5 KW
SSB	2.5 KW
SWR at resonant frequency:	1.0/1 TO 1.9/1
Boom Length:	2" X 104+125 X 21'
Turning Radius:	17 ft. 9 in.
Recommended Mast Size:	2 in.
Maximum Element Length:	28 ft.
Assembled Weight:	68 lbs.
Wind Surface Area (in sq. ft.):	6.9 ft. ²
Wind Load (EIA standard 80 M.P.H.):	184 lbs.
Shipping Weight (approx.):	72 lbs.
Warranty:	2 Years

****TA-34-M Conversion Kit TA-33/TA-34-M

Up-grade your present TA-33-M to a TA-34-M. All parts are furnished to provide you a simple upgrade to even more outstanding performance. Increases gain, also provides a narrower pattern, more directive, increasing the performance on all three bands. (See Data for TA-34-XL. TA-34-M data is the same except for weight, 58 lbs. TA-34-M uses a nylon strut with a furnished bracket to attach to your existing mast. When ordering the conversion for the TA-33-M specify the size of your mast.)

Mosley TA-34-XL-WARC

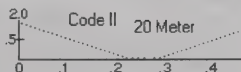
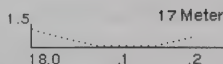
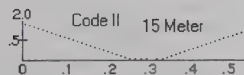
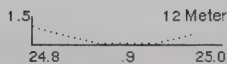
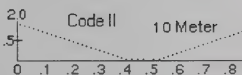
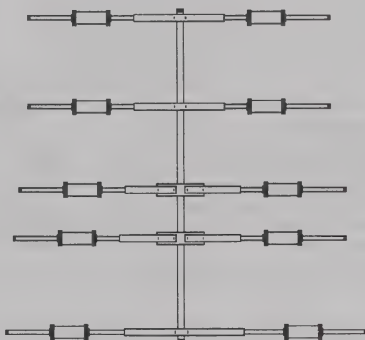
10, 12, 15, 17, 20 Meters

Five Physical Elements**4 Active Elements on 20, 15, and 10 meters!****"You need a 5 element wide space mono-band beam to beat the XL on 10 or 15 meters."**

The TA-34-XL-WARC gives you a "Tremendous Signal" on 20, 15, and 10, while giving you access to 12 and 17 meters with an above average signal! All on a 21' strut-less heavy duty boom, and a single feed line. The TA-34-XL-WARC even can have 40 OR 30 meters added to it which would end up giving you high performance on "6" bands in a medium size antenna. Check it out!

Specification and Performance Data
TA-34-XL-WARC

Forward Gain:	10 Meter	9.5 dbd.
	12 Meter	0.0 dbd.
	15 Meter	9.1 dbd.
	17 Meter	0.0 dbd.
	20 Meter	8.0 dbd.
Front-to-Back:	10 Meter	18 db.
	12 Meter	0 db.
	15 Meter	18 db.
	17 Meter	0 db.
	20 Meter	18 db.
Power Rating:		
	CW	1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		21 ft.
Turning Radius:		17 ft. 9 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		28 ft.
Assembled Weight (approx.):		78 lbs.
Wind Surface Area (in sq. ft.):		7.7 ft. ²
Wind Load (EIA standard 80 M.P.H.):		144 lbs.
Shipping Weight (approx.):		88 lbs.
Warranty:		2 Years



Mosley... "A Better Antenna"

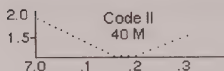
Mosley TA-40-KR or TA-30-KR
Add 40 or 30 Meters

Enjoy the world of 40 Meters, by simply adding a TA-40-KR to your present Mosley.

TA-40-KR

Note: Add these Specifications to the antenna you're adding the kit to for total weight, etc.

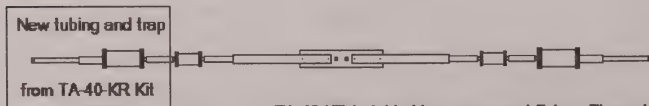
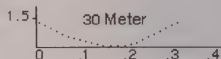
Maximum Element Length:	+10 ft.
Turning Radius:	+4 ft.
Wind Surface Area (in sq. ft.):	+1.5 ft. ²
Wind Load (EIA standard 80 MPH):	+30 lbs.
Assembled Weight:	+10 lbs.
Shipping Weight:	25 lbs.



"Out perform your present dipole or vertical!"

The TA-40-KR will turn your present antenna into a "Rotatable Dipole" on 40 or 30 meters, giving you a "Much" better signal than you would expect. If you think your "Vee" or "Wire Dipole" or "Vertical" is doing just fine, think again. The TA-40-KR or TA-30-KR will give you better performance with the ability to rotate your signal. It truly is worth the time and effort.

Note: For Additional Antenna Conversions, see the Conversion section of this catalog.



TA-40-KR is Added to your present Driven Element

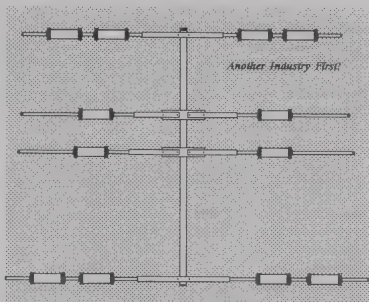
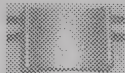
Mosley TA-53-M

(One of our most popular antennas)

10, 12, 15, 17 & 20 Meter
4 Element Beam
3 Elements on 10, 12, 15, 17 & 20 Meters
Good all-around performance
No Measuring • Pre-Drilled • Color Coded.
Stainless Steel Hardware
2 Year Warranty



53's Element and Boom Blocks



Specification and Performance Data

Forward Gain:

10 Meter	7.9 dbd.
12 Meter	7.1 dbd.
15 Meter	6.9 dbd.
17 Meter	6.7 dbd.
20 Meter	6.5 dbd.

Front-to-Back Ratio:

10 Meter	18 db.
12 Meter	5 db.
15 Meter	13 db.
17 Meter	12 db.
20 Meter	10 db.

Power Rating: CW

SSB	1.5 KW
	2.5 KW

Matching System:

	"Q" match
Recommended coax: (RG-8-U/RG-213)	50/52 ohm
SWR at resonant frequency:	1.0/1 to 1.65/1

Boom Length:

	2" x 14 ft.
--	-------------

Turning Radius:

	14 ft. 11 in.
--	---------------

Recommended Mast Size:

	2 in.
--	-------

Maximum Element Length:

	26 ft. 8 in.
--	--------------

Assembled Weight (approx.):

	55 lbs.
--	---------

Wind Surface Area (in sq. ft.):

	6.7 ft. ²
--	----------------------

Wind Load (EIA standard 80 M.P.H.):

	160 lbs.
--	----------

Shipping Weight (approx.):

	66 lbs.
--	---------

Warranty:

	2 Years
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The TA-53-M was designed to give the Ham who would like to have a 3 element beam on "5" bands, but keep the size of the antenna to a minimum.

The design criteria was:

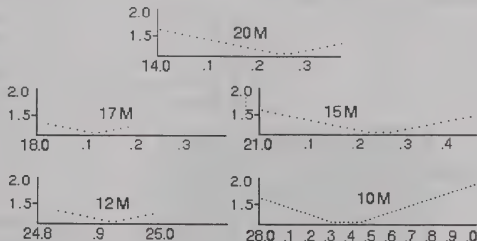
1. A single feed line.
2. A very broad band capability, which will easily work with the new solid state rigs.
3. An antenna that was as compact as possible to justify its use on five bands.
4. To tune the 53-M for optimum gain, for a "5" band beam on a 14' boom.
5. To minimize the self interaction of the antennas operating frequencies due to the close proximity to each other on the various bands.
6. Build it to withstand any above average environments.

We feel this has been accomplished only at the expense of front to back. We considered this to be the least area of importance considering only one director and one reflector spaced over a 14' boom working on five bands.

For the ham that wants a heavy duty all around performer, the TA-53-M is for you. It will equal or exceed anyone's 3 element beam on a 14 foot boom in the areas of gain, band width, swr and construction.

Even though the beam is on a 14' boom and we consider it a small, light weight, antenna, it is heavier than our TA-33-M and two times heavier than some of our competitors products. This is due to its extra heavy duty construction. This antenna was originally designed to be used as a "light" weight Military and Commercial antenna; and in our Commercial department, it is considered light weight.

We feel the TA-53-M gives a Ham the best of all worlds in a small package.



The TA-53-M can also have 30 or 40 meters added to its front Driven element.
The 40 meter kit can be added at any time. The kit for 40 is the TA-40-KR. The TA-30-KR adds 30 meters.

Mosley... "A Better Antenna"

Another Mosley HF Commercial Special

The "TA-20-40"

Two Frequency Beam
2 Elements on 7.0 MHz
3 Elements on 14.0 MHz

TYPICAL SPECIFICATIONS AND PERFORMANCE

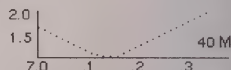
Forward Gain:	7 MHz	5.0 dbd
	14 MHz	8.1 dbd
Front-to-Back:		20 db
Coax Line:		RG-213
Wind Surface Area (in sq. ft.):		15.5 ft. ²
Wind Load:		345 lbs.
Boom:		3" x .109 x .125 x 24'
Longest Element:		54' 8"
Turning Radius:		29'
Assembled Weight (approx.):		150 lbs.
Shipping Weight (approx.):		175 lbs.
Warranty:		2 Years



"RUGGED"



TA-20-40



VHF Dual Band "Six" and "Two" Special "AM-2N6"

AM-2N6

4 Elements on Six Meters
5 Elements on Two Meters

Specification and Performance Data AM-2N6

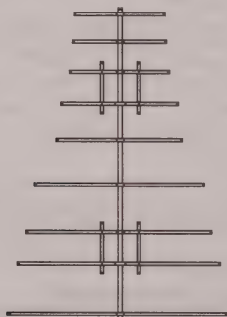
This antenna is also out of our commercial line and is built for extra heavy usage.

The elements are made out of aircraft tubing and are secured to the boom with 1/4-20 stainless U Bolts.

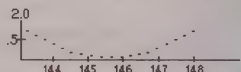
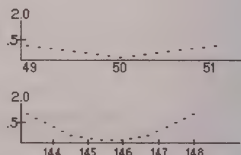
The antenna uses two separate feed lines which allows dual bands receiving and transmitting. This antenna is made to last a very long time.

Performance of the AM-2N6 is excellent.

Forward Gain:	6 Meter	9.1 dbd.
	2 Meter	10.1 dbd.
Front-to-Back:	6 Meter	20 db.
	2 Meter	20 db.
Power Rating:	CW	1.5 KW
	SSB	14 ft.
Turning Radius:		8' 9"
Mast Size:		1-1/2"
Maximum Element Length:		9 ft. 8"
Assembled Weight (approx.):		21 lbs.
Wind Surface Area (in sq. ft.):		2.5 ft. ²
Wind Load (EIA standard 80 M.P.H.):		50 lbs.
Shipping Weight (approx.):		30 lbs.
Warranty:		2 Years



"RUGGED"



These easy add on kits will increase your enjoyment and value of your antenna. By adding more frequencies to your beam, you eliminate the clutter and mess outside your QTH. For a few dollars you can double the value of your system!

These conversions only take a few hours and will give you years of enjoyment, especially with the "Sun Spot" cycle picking up.

Your Ultimate "Trap-Master" Beam Mosley Conversion Kits are perfect for the Ham with little money who plans to eventually build the ultimate antenna. Start from a simple element Mosley "Trap-Master" 10, 15 & 20 meter dipole. The easy-to-follow Mosley Kits allow you continuous operation while building the ultimate antenna. To see the performance on each conversion, look up the data sheet in the catalog for the antenna to which you wish to convert.

To convert a TA-31-M or TA-31-JR-N to a TA-32 Model

Order: "Conversion Kit TA-31/32-M" Order: "Conversion Kit TA-31/32-JR-N"

The one element antenna (above) can easily be converted to a two element antenna by adding a reflector element, a boom, boom-to-mast plate and necessary hardware.

To convert a TA-32-M or TA-32-JR-N to a TA-33 Model

Order: "Conversion Kit TA-32/TA-33-M" Order: "Conversion Kit TA-32/TA-33-JR-N"

The popular two element "Trap-Master" 10, 15 & 20 meter beam is easily converted to a more powerful World Famous three element beam. To make a three element antenna, add a director element, boom, boom splice and necessary hardware.

To convert a TA-33 to a TA-34-M Order: "TA-33 to 34-M Kit"

Up-grade your present TA-33-M to a TA-34-M. All parts are furnished to provide you a simple up-grade to even more outstanding performance. Increases gain, also provides a narrower pattern, more directive on all three bands.

Conversion Kit To Add 30 or 40 to: MP-33, TA-Series 33 and 53, CL-33-M-WARC

Order: "TA-30-KR OR TA-40-KR Kit"

Owners of the TA-31, TA-32, TA-33, TA-34-M or XL, MP-33, TA-33-M WARC, CL-33-M-WARC & TA-53-M may have 30 or 40 meter conversion. Simply add the 30 or 40 meter conversion kit to the radiator on the beam. All Junior antennas must be converted to an MP-33 before adding a KR conversion kit.

TA-40-KR Maximum Element Length..	+10 ft.
Turning Radius:	+4 ft.
Wind Surface Area (in sq. ft.):	+1.5 ft ²
Wind Load (EIA standard 80 MPH):	+30 lbs.
Assembled Weight (approx.):	+10 lbs.
Shipping Weight (approx.):	15 lbs.

High Power Conversion Kit...For TA-32-JR or TA-33-JR

Order: "MPK-3". The owners of a TA-33-JR may have higher power without buying an entirely new antenna. The addition of the MPK-3 Kit converts the TA-33-JR into essentially a new MP-33 Tig-Array (1000 watts CW, 2000 watts P.E.P. SSB.) (See Performance Data on the MP-33. Conversion to 30 or 40 meters is now possible.

12 & 17 Meter Conversion Kit...For TA-33 or MP-33

Order: "SR WARC Kit" Work 12 and 17 meters in addition to 10, 15 & 20 meters by using a SR WARC rotatable dipole conversion kit on your TA-33 or MP-33.

Kit includes 12 & 17 radiator element, stainless steel hardware, Mosley's Custom "Q" Match and assembly instructions.

Power Rating: SR WARC Kit	
CW	1 KW
P.E.P. SSB.	2.5 KW
SWR at resonant frequency:	1.0/1 to 1.65/1
Wind Surface Area (in sq. ft.):	+1 ft ²
Wind Load (EIA standard 80 MPH):	+15 lbs.
Assembled Weight (approx.):	+9 lbs.
Shipping Weight (approx.):	25 lbs.

12 & 17 Meter Conversion Kit...For TA-32-JR or TA-33-JR

Order: "JR WARC Kit" Work 12 and 17 meters in addition to 10, 15 & 20 meters by using a JR WARC rotatable dipole conversion kit on your TA-33-JR. Kit includes 12 & 17 radiator element, stainless steel hardware, Mosley's Custom

"Q" Match and assembly instructions.

Power Rating: JR WARC Kit	
CW	5 KW
P.E.P. SSB.	1.2 KW
SWR at resonant frequency:	1.5/1 or better
Wind Surface Area (in sq. ft.):	+7.5 ft ²
Wind Load (EIA standard 80 MPH):	+12 lbs.
Assembled Weight (approx.):	+6 lbs.
Shipping Weight (approx.):	25 lbs.

12 & 17 Meter Conversion Kit...For TA-34-M or TA-34-XL

Order: "34-XL WARC Kit" for TA-34-XL

Order: "34-M WARC Kit" for TA-34-M.

Work 12 and 17 meters in addition to 10, 15 & 20 meters by using a 34 WARC rotatable dipole conversion kit on your TA-34-XL. Kit includes 12 & 17 radiator element, stainless steel hardware, Mosley's Custom "Q" Match and assembly instructions.

Power Rating: M/XL WARC Kit	
CW	1.5 KW
P.E.P. SSB.	2.5 KW
SWR at resonant frequency:	1.0/1 to 1.65/1
Wind Surface Area (in sq. ft.):	+1 ft ²
Wind Load (EIA standard 80 MPH):	+15 lbs.
Assembled Weight (approx.):	+10 lbs.
Shipping Weight (approx.):	25 lbs.



CL-33-WARC Kit . Now you can add 12, 17 Meters to your CL-33. Once you add the WARC Kit you can then also add 40 Meters.

TW-23-M can be converted to a TA-33-M or a TA-33-M-Warc at a later time.

You can also upgrade the TW-23-M to a TW-24-M, giving you 4 "big" elements on 12 and 17.

TW-21-M, 1 Element on 12 & 17

TW-22-M, 2 Element on 12 & 17

TW-23-M, 3 Element on 12 & 17

(Just like the TA-Series you can start with one element and work your way to three elements!)

The TW-23-M is a 3 element beam for 12, 17 Meters! We have had so many requests for a quality 3 element 12 and 17 meter antenna that we took this model from one of our commercial dual banders, which we have been making since 1958 and converted it to the ham bands. This beam is built in the MOSLEY tradition and will give you YEARS of great performance!

The Mosley TW-23-M is designed to give you both medium and long range communication capabilities.

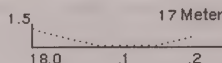
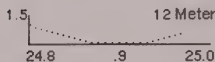
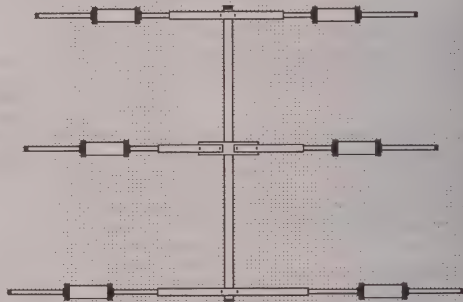
The look of the TW-23-M is almost exactly like the World Famous TA-33. The size, performance and construction is in the TA-33 tradition! The TW-23-M is a perfect match with the TA-33 or any other Tri Band Beam. The TW-23-M is designed to be stacked above your existing Tri band antenna or as a stand alone antenna.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy. The antenna can be used with a balun.

As with ALL Mosley antennas, our hardware is made of the best grade of Stainless Steel and our tubing is Aircraft grade drawn aluminum. The warranty on the TW-23-M antenna is two years against any defects of material or workmanship.

Specifications and Performance Data for TW-23-M

Gain at 18.0 MHz	6.8 dbd
Gain at 24.0 MHz	7.2 dbd
Front to Back at 18 MHz	20.0 db
Front to Back at 24 MHz	20.0 db
Transmission Line Coaxial:	50/52.0 ohm
Square Foot Area:	5.7 sq. ft.
Wind Load (@ EIA 80 m.p.h.)	129 lbs.
Wind Loading Capability:	
No ice	100 m.p.h.
1/4" Radial ice	80 m.p.h.
Boom:	1.5"x.125x 14'
Mast Size:	1.5" or 2"
Longest Element Length:	28' 6"
Turning Radius:	15' 7"
Power Rating:SSB	2500 watts
Continuous Carrier	800 watts
CW	1500 watts
Polarization:	Horizontal
Connection:	Direct
Maximum VSWR:	1.3/1
Average VSWR:	1.15/1
Antenna Weight:	38.0 lbs
Shipping Weight:	42.0 lbs



TW-21-M and TW-22-M have the same specifications as the TA-31-M and TA-32-M except they cover 12 & 17 meters.

Want a Big Signal on 17 Meters?

"4 Elements on 12 and 17 Meters"

Mosley TW-24-XL 4 Element 12, 17 Meters

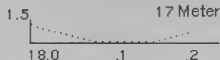
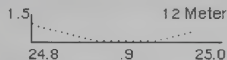
The **TW-24-XL** is a "New" heavy duty 4 element beam for 12, 17 Meters! This New beam is built in the **MOSLEY** tradition and will give you YEARS of great performance!

The "New" Mosley TW-24-XL is designed to give you both medium and long range communication capabilities.

The TW-24-XL is a perfect match with the TA-33 or any other Tri Band Beam. The TW-24-XL is designed to be stacked above your existing Tri band antenna or as a stand alone antenna.

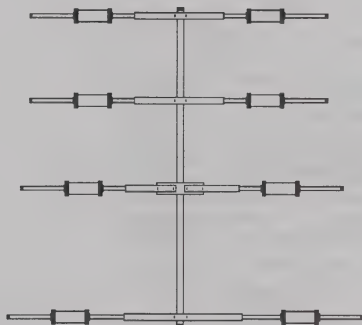
As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy. The antenna can be used with or without a balun.

As with ALL Mosley antennas, our hardware is made of the best grade of **Stainless Steel** and our tubing is Aircraft grade drawn aluminum. The warranty on the TW-24-XL antenna is two years against any defects of material or workmanship.



Specifications and Performance Data
for TW-24-XL

Gain at 18.0 MHz	8.4 dbd
Gain at 24.0 MHz	9.0 dbd
Front to Back at 18 MHz	20.0 db
Front to Back at 24 MHz	20.0 db
Transmission Line Coaxial:	50/52.0 ohm
Square Foot Area:	6.9 sq. ft.
Wind Load (@ EIA 80 m.p.h.)	184 lbs.
Wind Loading Capability:	
No ice	100 m.p.h.
1/4" Radial ice	80 m.p.h.
Boom:	2" x 21'
Mounting Mast Size:	2"
Longest Element Length:	28' 6"
Turning Radius:	17 ft. 9 in.
Power Rating:	SSB 2500 watts
	Continuous Carrier 800 watts
	CW 1500 watts
Polarization:	Horizontal
Connection:	Direct
Maximum VSWR:	1.3/1
Average VSWR:	1.15/1
Antenna Weight:	88.0 lbs
Shipping Weight:	74.0 lbs



TW-33-XL, TW-32-XL TW-31-XL

"3 Elements on 12, 17 and 30 Meters"

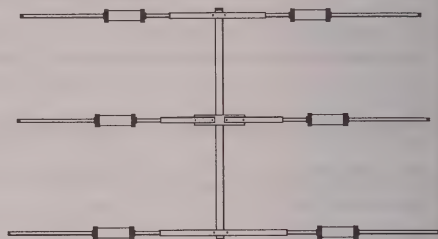
TW-32-XL - 2 Element 12, 17, 30 Meters

TW-31-XL - 1 Element 12, 17, 30 Meters

A heavy duty 3 element beam for 30, 17, 12 Meters! This new beam is built in the MOSLEY tradition and will give you YEARS of great performance!

Specifications and Performance Data
for TW-33-XL

Gain at 10.0 MHz	6.0 dbd
Gain at 18.0 MHz	6.8 dbd
Gain at 24.0 MHz	7.2 dbd
Front to Back at 10 MHz	18.0 db
Front to Back at 18 MHz	20.0 db
Front to Back at 24 MHz	20.0 db
Transmission Line Coaxial	50/52.0 ohm
Square Foot Area	7.2 sq. ft.
Wind Load (@ EIA 80 m.p.h)	180 lbs.
Wind Loading Capability:	
No ice	100 m.p.h.
1/4" Radial Ice	80 m.p.h.
Boom	2" x .104 x 18"
Mounting Mast Size	2" Thick wall
Longest Element Length	33' 7"
Turning Radius	18' 5"
Power Rating:	
SSB	2500 watts
CW	1500 watts
Polarization	Horizontal
Connection:	Mosley Feed
Maximum VSWR at 50 ohms	1:1.5
Average VSWR at 50 ohms	1:1.2
Antenna Weight	55.0 lbs. (approx.)
Shipping Weight	65.0 lbs.



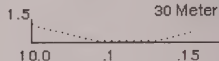
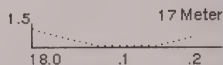
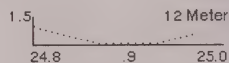
The Mosley TW-33-XL is designed to give you both medium and long range communication capabilities.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

The antenna can be used with a balun.

As with ALL Mosley antennas, our hardware is made of the best grade of Stainless Steel and our tubing is drawn aluminum.

The warranty on this antenna is two years against any defects of material or workmanship.



The 2 element version has 3.5 dbd on 30 meters, 5.0 dbd on 17 meters and 5.2 dbd on 12 meters.

The 1 element performs as a rotatable dipole on all three bands.

CL-33-M

Covers 10, 15, 20 Meters

The Classic's**"Tried and True!"**

The CL-33-M is a heavy duty 3 element beam for 10, 15, 20 Meters! This beam is built in the MOSLEY tradition and will give you YEARS of great performance!

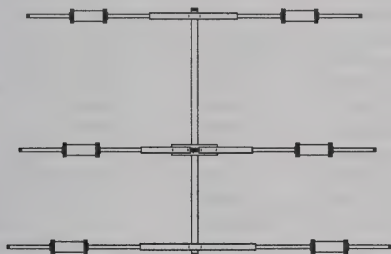
The Mosley CL-33-M is designed to give you an Excellent 3 element beam on 10, 15, and 20 meters.

The CL-33-M uses the Mosley "Classic" match and gives the antenna an excellent bandwidth while maintaining a High "Q" throughout all three bands.

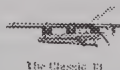
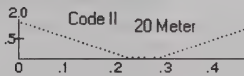
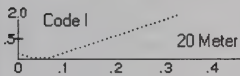
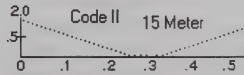
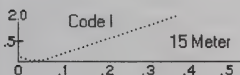
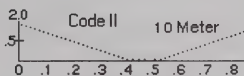
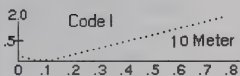
As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy

As with ALL Mosley antennas, our hardware is made of the best grade of stainless steel and our tubing is aircraft grade drawn aluminum. The warranty on the CL-33-M antenna is two year against any defects of material or workmanship.

For above average Tri Band performance a CL-33-M is for you! Ask the Ham that owns one.

*Specification and Performance Data***CL-33-M***

Forward Gain:	10 Meter	8.5 dbd.
	15 Meter	8.1 dbd.
	20 Meter	7.3 dbd.
Front-to-Back:	10 Meter	20 db.
	15 Meter	23 db.
	20 Meter	23 db.
Power Rating:	CW	1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1
Boom Length:		2" x .125 x 18'
Turning Radius:		18 ft.
Recommended Mast Size:		2 in.
Maximum Element Length:		27 ft.
Assembled Weight (approx.):		42 lbs.
Wind Surface Area (in sq. ft.):		6.0 ft. ²
Wind Load (EIA standard 80 M.P.H.):		120 lbs.
Shipping Weight (approx.):		47 lbs.
Warranty:		2 Yrs.

**NEW! Mosley CL-33-WARC Kit**

Convert your CL-33 to a CL-33-WARC with our "NEW" CL-33-WARC-Kit. This is an easy mod that will give you an even "Hotter" CL-33. Conversion will give the above performance!

Once your conversion is completed you can add 40 Meters with a TA-40-KR!

*The name "Classic", "Mosley Classic", "Classic 33", "CL-33 Classic", "Classic Feed", "Classic Tri-Band Beam", "Classic 3 Band" are all copyrighted or patented names solely belong to Mosley Electronics, Inc. Any use without the express permission of M.E.I. is prohibited.

Mosley CL-33-WARC

Covers 10, 12, 15, 17, 20 Meters

The CL-33-WARC* is a heavy duty 4 element beam for 10, 12, 15, 17, 20 Meters! This New beam is built in the MOSLEY tradition and will give you YEARS of great performance!

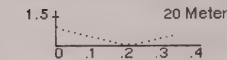
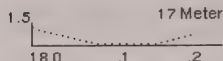
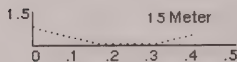
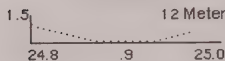
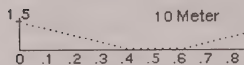
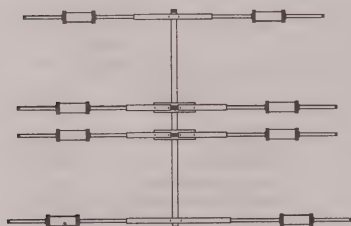
This antenna is designed to give you an Excellent 3 element beam on 10, 15, and 20 meters, with better performance than the original CL-33. The CL-33-WARC also has a single rotatable dipole on 12 and 17 meters.

The CL-33-WARC uses the Mosley "Q" match and gives the antenna a bandwidth that is twice as broad as the old CL-33. The CL-33-WARC uses just one feed line and now is a simple direct feed connection.

New to the CL-33 series is the ability to add 40 meters to the CL-33-WARC. You can now use our standard TA-40-KR to add 40 meters. Also those who already own a CL-33 can convert their Classic to a CL-33-WARC and then can add the 40 meter add on.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy

Our hardware is made of the best grade of Stainless Steel and our tubing is Aircraft grade drawn aluminum. The warranty on the CL-33-WARC antenna is two years against any defects of material or workmanship.

**Specification and Performance Data****CL-33-WARC**

Forward Gain:	10 Meter	8.5 dbd.
	12 Meter	0.0 dbd.
	15 Meter	8.1 dbd.
	17 Meter	0.0 dbd.
	20 Meter	7.0 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	0 db.
	15 Meter	20 db.
	17 Meter	0 db.
	20 Meter	20 db.
Power Rating:	CW	1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		2" x .125 x 18"
Turning Radius:		15 ft. 6 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		28 ft.
Assembled Weight (approx.):		52 lbs.
Wind Surface Area (in sq. ft.):		7.0 ft. ²
Wind Load (EIA standard 80 M.P.H.):		131 lbs.
Shipping Weight (approx.):		57 lbs.
Warranty:		2 Years

***Mosley CL-33-WARCkit**

***Convert your CL-33 to a CL-33-WARC with our CL-33-WARC-Kit. This is an easy mod, that will give your CL-33 even "Hotter" performance, more band width and versatility!**

NEW! CL-39 on a Forty Foot Boom

New Classic 39! 10-15-20 Meters on a 40 Foot Boom follows in the time proven CL-36. This "BIG BROTHER" is unbeatable!

This antenna has no peers on 10, 15, or 20 meters! Traps or No Traps!

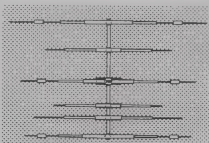
The CL-39 challenges anyone's FULL SIZE element beam to beat this baby.

It simply SCREAMS! The CL-39 has been tested on the gain figures shown are real, not some theoretic computer calculation!

For those who want to for the 3 main bands only, this is the one for you. One tower, one rotor, and more than mono band performance.

The CL-39 has Four wide spaced elements on 20, and 15, with 6 elements on 10 meters on a 40 foot 3" boom.

The hardware and design of this antenna is superb!

Mosley Classic™ CL-36-M

10, 15 & 20 Meter 6 Element Beam, 8.1 db. Average Forward Gain and 20+ db. F/B. The "CL-36" is designed for the operator who wants the best performance possible in a 24 Foot Tri Band antenna. The CL-36 gives you a "BIG" signal on 10-15-20.

The Classic™ 36 and Classic 39 features the Mosley patented "Classic Feed" System for capacitive matching. A sure formula for DX success! Six wide spaced elements: Four operating elements on 10 meters, Three operating elements on 15 and 20 meters. Band switching is automatic by means of high-impedance resonant trap circuits. This exclusive Mosley trap design provides resonant stability under all conditions and handles the full 1500 watts CW and 2500 watts P.E.P. on SSB. The rugged lightweight aluminum construction with stainless steel hardware enables the Classic 36 to withstand high winds, extreme cold and equatorial heat. This beam will weather the rigors of climate variation and long use. A 2" outside diameter support mast and heavy duty rotor are recommended. Like all Mosley antennas the CL-36-M comes complete with illustrated instructions and is color-coded with pre-drilled holes for ease of assembly.

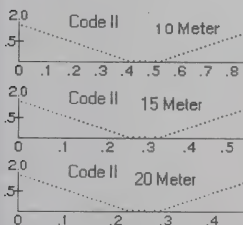
The CL-36-M isn't designed for 12, 17, 30 or 40 meter conversions.

CL-39

Forward Gain:	10 Meter	11.1 dbd.
	15 Meter	9.8 dbd.
	20 Meter	9.8 dbd.
Front-to-Back:	10 Meter	25 db.
	15 Meter	24 db.
	20 Meter	24 db.
Power Rating: CW		1.5 KW
	SSB	2.5 KW
Feed System: (Mosley CLASSIC Feed)		SO-239
SWR at resonant frequency:		1.0/1 to 2.0
Boom Length:		3" x .109 x .125 x 40"
Turning Radius:		27 ft. 3 in.
Recommended Mast Size:		2 in. or 3 in.
Maximum Element Length:		29 ft 9 in.
Assembled Weight (approx.):		104 lbs.
Wind Surface Area (in sq. ft.):		16.05 ft. ²
Wind Load (EIA standard 80 M.P.H.):		315 lbs.
Shipping Weight (approx.):		115 lbs. (Truck)
Warranty:		2 Years

CL-36-M Specification and Performance Data

Forward Gain:	10 Meter	9.1 dbd.
	15 Meter	8.6 dbd.
	20 Meter	8.4 dbd.
Front-to-Back:	10 Meter	25 db.
	15 Meter	24 db.
	20 Meter	24 db.
Power Rating: CW		1.5 KW
	SSB	2.5 KW
SWR at resonant frequency:		1.0/1 to 2.0
Boom Length:		2" x .104 x .125 x 24"
Turning Radius:		19 ft. 3 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		29 ft 9 in.
Assembled Weight (approx.):		68 lbs.
Wind Surface Area (in sq. ft.):		10.7 ft. ²
Wind Load (EIA standard 80 M.P.H.):		210 lbs.
Shipping Weight (approx.):		74 lbs.
Warranty:		2 Years

CL-39/CL-36-M SWR Curves

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Mosley... "A Better Antenna"

SUPER-33 FOR 17, 20, AND 40 METERS!

- Extra Heavy Duty Construction
- 3" O.D. Thick Wall Boom
- 3/8" Diameter 303 Annealed U-Bolts
- 3" Large High Power, High "Q" Traps
- Direct Feed or 1:1 Balun
- 2 Year Full Warranty

Mosley S-33

17-20-40 Meter, 3 Element Beam

Specification and Performance Data

Super 33		
Forward Gain:	17 Meter	8.3 dbd.
	20 Meter	7.5 dbd.
	40 Meter	6.7 dbd.
Front-to-Back:	17 Meter	25 db.
	20 Meter	25 db.
	40 Meter	20 db.
Power Rating:	CW	2.5 KW
	SSB.	5.0 KW
SWR at frequency:		1.0/1 to 2.0/1
Boom Length:		24 ft.
Turning Radius:		24' 6"
Mast Size:		2 in. or 3 in.
Maximum Element Length:		40 ft.
Assembled Weight (approx.):		95 lbs.
Wind Surface Area (in sq. ft.):		10.0 ft. ²
Wind Load (EIA standard 80 M.P.H.):		270 lbs.
Shipping Weight (approx.):		110 lbs.
Warranty:		2 Years

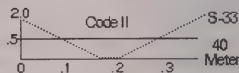
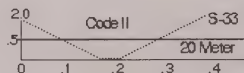
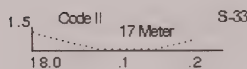
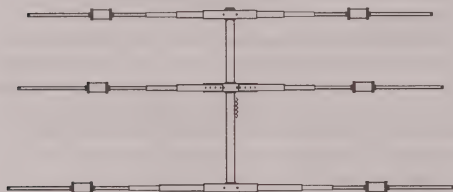
The SUPER 33 has been built out of our COMMERCIAL line by special request! You have asked for a Beam which will give you great performance on these bands without having a size that's TOO BIG to handle.

The S-33 is on a 24 Foot, 3" Heavy Duty boom that requires NO STRUT and is capable of handling any environment.

With the SUNSPOT activity down, 17, 20 and 40 are being used the most. Just think one compact beam for the 3 most favorite DX bands!

Mosley, after 50 years, is still the most creative antenna manufacturer in the world! Everyone else is just a copy in one way or another. BUY the originals, give yourself years and years of reliable, trouble free performance!

Give your station the MOSLEY edge!



The Mosley "SUPER" Beams the "PROS!"

There are those out there that have been trying to copy and design a version of the PRO for the last 14 years, but as with the copied TA-33, the TA-33 is still the best performing, durable, 14 foot tri-band beam made. The PRO series are the best performing, reliable and cost effective multi frequency antenna in the market place.

Regardless of what other products our competitors sell to compete with the PROs, the PRO series offers the best all around beams in the industry! (The PRO's offer the radio community the most complete, cost effective and varied product line anywhere in the world.)

The newest antenna to the PRO family is our "New" PRO-67-C! This antenna has become the most popular PRO and there are good reasons why it has. The 67-C has 3 elements on 40 meters and a rotatable dipole on 30 meters! The 30 meter portion of the PRO-67-C has out performed all of the dipoles, verticals, loops and vee's we have tested it against. Add in the other 5 bands and you can see we have one of the most powerful, versatile beam antenna made anywhere in the world! Nothing else exists to compete with the 67-C. In performance or price.

These PRO's have been "Hurricane" tested in both "Hugo" and "Andrew". The PROs have been through one of the worst ice storm in Minnesota in years. Regardless of the environment the PROs are rugged, stable, and reliable year after year.

When you lead the pack in creative design, we realize we are going to get the most criticism and heat. That is why we keep reviewing all of our products to see what we can do to improve their performance. We want to be our worst critic! It is easy to take someone else's idea and pick it apart. The latest generation of PRO's are better performers than the original PRO-37 of 1980, the PRO-57 of 1984, the PRO-57-A of 1988.

The PRO-57-B of July of 1991 is the best built, most trouble free "5" band, "7" element, 24 foot boom antenna in the world. Period!

We have included a few of the names and calls of hams who own the PROs with the catalog. We encourage you to contact them to hear what they think of their antenna. If you need more information on the PROs or would like more references, please contact our engineering department.

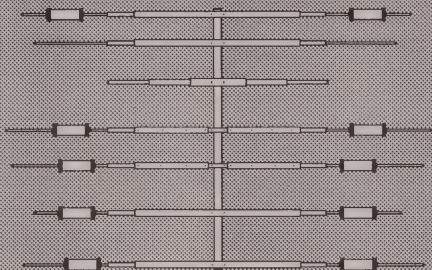
All of the PROs are predrilled and Color Coded so they are extremely easy to assemble. There is no need to measure, slide elements or deal with hose clamps.

We weight test our element sections. A Mosley will take 1.4 times more pulling strength than any other design. We use seamless aircraft grade tubing with a telescoping tolerance of +/- .003 to .005 thousands. Once our stainless screw is inserted into these element sections they aren't going to fall apart. Our element to boom clamps are made by us, from our own sand castings. These parts, in their own right, are a beautiful piece of workmanship! Our 24' booms are strong enough to survive extreme ice, winds and other weather conditions without a strut.

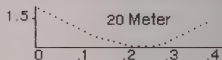
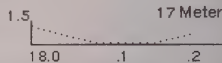
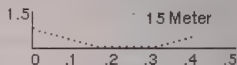
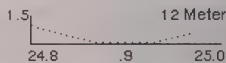
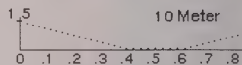
The "in use", life of a Mosley, is between 27 and 30 years! That's longer than most of our competitors have been in the antenna business!

If your looking for an antenna with "Excellent" performance, which is trouble free and a great investment, then all you have to do is remember the name "Mosley"!

The name "Mosley" is the most important thing you need to know about antennas!

PRO-S7-B*Specifications and Data*

Forward Gain:	10 Meter	(4 Elements)	9.4 dbd.
	12 Meter	(3 Elements)	8.3 dbd.
	15 Meter	(3 Elements)	8.5 dbd.
	17 Meter	(3 Elements)	8.5 dbd.
	20 Meter	(3 Elements)	8.5 dbd.
Front-to-Back:	10 Meter		20 db.
	12 Meter		15 db.
	15 Meter		20 db.
	17 Meter		23 db.
	20 Meter		20 db.
Power Rating:	CW		2.5 KW
	SSB		5.0 KW
	RTTY		600 W
SWR at resonant frequency:			1.0/1 to 1.6
Boom Length:			(Standard 2" x .104 x .125 x 24 ft.) (Optional 3" x .109 x .125 x 24 ft.)
Turning Radius:			18 ft. 4 in.
Recommended Mast Size:			2 in.
Maximum Element Length:			27 ft. 6 in.
Assembled Weight:	2" Boom		92 lbs.
	3" Boom		106 lbs.
Wind Surface Area (in sq. ft.):			11.0 ft. ²
Wind Load (EIA standard 80 M.P.H.):			280 lbs.
Shipping Weight (approx.):			110 lbs.
Warranty:			2 Years

SWR Curves are for Code Setting II**5 Bands!**

PRO-57-B-40

10-12-15-17-20-40 Meter

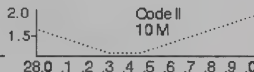
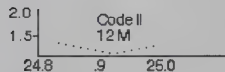
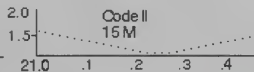
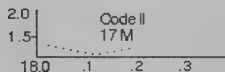
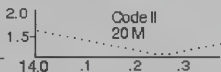
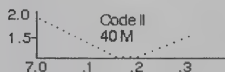
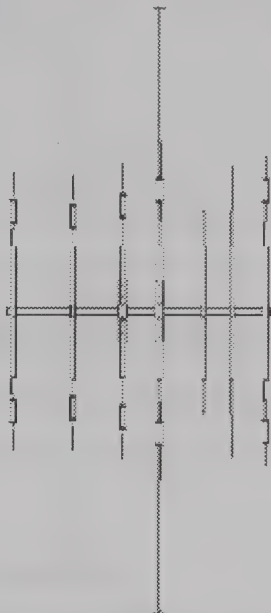
7 Element Beam

6 Bands!

"Great on 40, and can be upgraded to a PRO-67-B later on!"

Specifications and Data

Forward Gain:	10 Meter (4 Elements)	9.4 dbd.
	12 Meter (3 Elements)	8.3 dbd.
	15 Meter (3 Elements)	8.5 dbd.
	17 Meter (3 Elements)	8.5 dbd.
	20 Meter (3 Elements)	8.5 dbd.
	40 Meter (Dipole)	0.0 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	15 db.
	15 Meter	20 db.
	17 Meter	23 db.
	20 Meter	20 db.
	40 Meter	0 db.
Power Rating:	CW	2.5 KW
	SSB	5.0 KW
	RTTY	600 W
SWR at resonant frequency:	1.0/1 to 1.6	
Boom Length:	(Standard 2" x .104 + .125 x 24 ft.)	
	(Optional 3" x .109 + .125 x 24 ft.)	
Turning Radius:	22 ft.	
Recommended Mast Size:	2 in.	
Maximum Element Length:	44 ft.	
Assembled Weight:	2" Boom	98 lbs.
	3" Boom	110 lbs.
Wind Surface Area (in sq. ft.):	11.3 ft. ²	
Wind Load (EIA standard 80 M.P.H.):	280 lbs.	
Shipping Weight (approx.):	117 lbs.	
Warranty:	2 Years	



SWR Curves are for Code Setting II

PRO-67-B

10-12-15-17-20 and

2 Elements on "40" Meter

7 Total Elements

6 Bands!

The "PRO-67-B" is a Great All Around 24 foot boom antenna built anywhere! Only 7 elements giving you "6" BANDS!

The performance on these frequencies is above average and gives you a well made beam, which will give you years and years of enjoyable operating.

If you compare "Apples to Apples" the PRO-67-B is the best performer in its class!

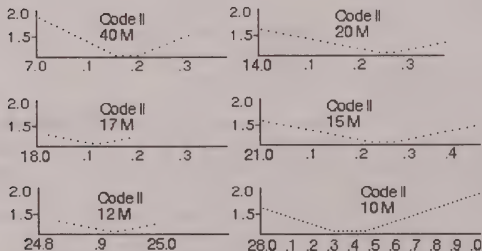
The PRO-67-B uses only 1 feed line with a single connection point.

The antenna uses an efficient direct feed. No balun or other matching device is used. The "B" model is far superior to any of the earlier PRO-67's. As with any new concept, the more exploration that takes place, new and better ways are found. This is true of the PRO-67 series. The PRO-67-B has the latest design and incorporates the latest engineering improvements that have evolved over the last 14 years with this design.

Due to the realization that there is always a better way of doing something, Mosley offers up grade kits to your existing antenna which allows you to improve your system without totally replacing your antenna. We want you to have the ability to add our latest technology to your present system.

Years later, others are using 11 elements to arrive at "5" band operation at a higher price! Our PRO-67-B, with seven elements, will give you big "6" band performance which will allow you to stand out on 10, 12, 15, 17, 20 and 40 with one strong, compact system at a low price!

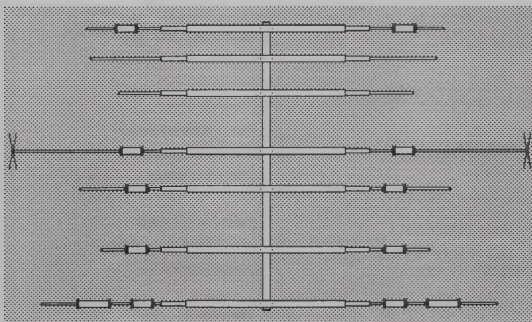
PRO-67-B
SWR Curves are for Code Setting II

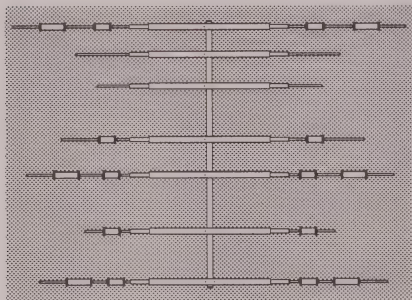


Specifications and Data

PRO-67-B

Forward Gain:	10 Meter (4 Elements)	9.4 dbd.
	12 Meter (3 Elements)	8.3 dbd.
	15 Meter (3 Elements)	8.5 dbd.
	17 Meter (3 Elements)	8.5 dbd.
	20 Meter (3 Elements)	8.5 dbd.
	40 Meter (2 Elements)	4.9 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	15 db.
	15 Meter	20 db.
	17 Meter	23 db.
	20 Meter	20 db.
	40 Meter	12 db.
Power Rating:	CW	2.5 KW
	SSB	5.0 KW
	RTTY	600 W
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:	(Standard 2" x .104 x .125 x 24 ft.)	
	(Optional 3" x .109 x .125 x 24 ft.)	
Turning Radius:		23 ft. 8 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		43 ft. 9 in.
Assembled Weight:	2" Boom	110 lbs.
	3" Boom	138 lbs.
Wind Surface Area (in sq. ft.):		11.6 ft. ²
Wind Load (EIA standard 80 M.P.H.):		280 lbs.
Shipping Weight (approx.):		117 lbs.
		148 lbs.
Warranty:		2 Years





One of the Biggest Break Through's in Antenna History!

Think of it: One antenna with, 4 Elements on 10, 3 Elements on 12, 3 Elements on 15, 3 Elements on 17, 3 Elements on 20, 1 Element on 30 Meters and 3 Elements on 40 Meters. All with one Feed Line!

The New PRO-67-C has improved front to back and more gain on 40 meters.

The PRO-67-C is 12.1 square foot of SUPER antenna. Stop and think "One" compact antenna giving you these bands and performance in just one system! Not to mention one installation.

The New PRO-67-C will compete with the big boys on 40 meters. (If you've never used a beam on 40 you're in for a "Tremendous" surprise using the PRO-67-C!)

The PRO-67-C is another Mosley 1st! It has almost the same gain as the PRO-67-B, however due to the addition of a 3rd forty meter reflector and the way the elements are configured on the PRO-67-C, we were able to increase the front to back ratio with very little affect on the higher frequencies gain.

The PRO-67-C uses the Mosley "Q" match. A single 50/52 ohm feed line bolt directly to the phasing lines. (No insertion losses.)

The PRO-67-C's band width is a little narrower on 40, 20, 15 and 10 meters than the PRO-67-B. Instead of being 1.65 at the edges on 20 meters the "C" will have 1.9.

The PRO-67-C is the latest in Mosley's creative designs and will out perform any of our competitors antenna in the same basic size, on all "Seven" Bands at a LOWER PRICE!

If you have a tower and a rotor which will handle 12.1 square foot, then you owe it to yourself to experience this tremendous antenna.

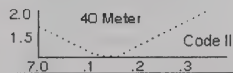
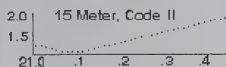
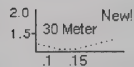
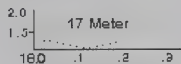
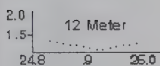
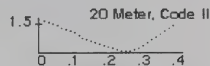
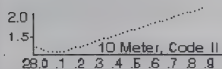
NEW (7) Seven Bands!

PRO-67-C **10-12-15-17-20-30 and** **3 Elements on "40" Meter** **Total of Only 7 Elements**

PRO-67-C

Specifications and Data

Forward Gain:	10 Meter (4 Elements)	9.3 dbd.
	12 Meter (3 Elements)	8.3 dbd.
	15 Meter (3 Elements)	8.3 dbd.
	17 Meter (3 Elements)	8.3 dbd.
	20 Meter (3 Elements)	8.2 dbd.
	30 Meter (1 Element)	0.0 dbd.
	40 Meter (3 Elements)	6.8 dbd.
*New		
*New		
Front-to-Back:		
*New	10 Meter	24 db.
	12 Meter	15 db.
	15 Meter	24 db.
	17 Meter	25 db.
*New	20 Meter	24 db.
*New	30 Meter	00 db.
*New	40 Meter	24 db.
Power Rating:	CW	2.5 KW
	SSB	5.0 KW
	RTTY	600 W
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		(Standard 2" x .223 x 24 ft.) (Optional 3" x .223 x 24 ft.)
Turning Radius:		23 ft. 8 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		43 ft. 9 in.
Assembled Weight:	2" Boom	118 lbs.
	3" Boom	143 lbs.
Wind Surface Area (in sq. ft.):		12.1 ft. ²
Wind Load (EIA standard 80 M.P.H.):		295 lbs.
Shipping Weight (approx.):		122 lbs.
		153 lbs.
Warranty:		2 Years

PRO-67-CSWR Curves are for Code Setting II

Mosley, "The Best Investment in Your Station"! The Lifetime Antenna Company!

"Prices listed below the antenna sections in the catalog. Prices and specifications can change without notice or obligation. Some shipping delays can occur due to the long lead times the aluminum industry is presently facing. Mosley has an extremely large inventory of goods, however, if the demand depletes a certain size of tubing it can affect more than one model being produced. These lead times are beyond our control. When an order is placed, you will be given an approximate shipping date. If the item is in stock, it will ship within 3 days of receipt of payment and the order. (Prices are effective as of 1-1-89. Prices are in US Dollars. Payments on all orders will be processed at the time of order.)" NOTE: Parts are available for all older Mosley antennas, even going back 59 years!

The "Original Tri-Band Beams"		PRO-67-B-3 (3" Boom)	1,199.95	Mini Mono HF Beams	
Seniors		10, 12, 15, 17, 20, 30 & 40 Meter 3 Element	1,458.95	MB-10 (10 M MINI MONO)*	159.95
TA-33-M	377.95	PRO-87-C-3 (3" Boom)	1,458.95	MB-11 (11 M MINI MONO)*	179.95
TA-33-M-WARC	485.95	(PRO's with 36 Foot Boom)		MB-15 (15 M MINI MONO)*	199.95
TA-32-M*	279.95	PRO-95-3	1,575.95	Mini-Tri-Band	
TA-31-M*	168.95	10, 12, 15, 17, 20 & 20 Meters	1,889.95	Mini-33 (10, 15, & 20 Meters)	339.95
"Juniors"		PRO-95-3	1,575.95	HF Dipoles	
TA-33-JR-N*	299.95	10, 12, 15, 17, 20, & 40 Meter 3 Element	2,079.95	MD-2 (40/80 M TRAP DIPOLE)	159.95
TA-33-JR-N-WARC*	389.95	PRO-96-3	2,585.95	MD-2-W (12/17 M TRAP)	89.95
TA-32-JR-N*	225.95	NEW-NEW-96S-NEW-NEW		MD-3 (10 thru 20 OR 40 M)	129.95
TA-31-JR-N*	158.95	PRO-96-3	5,485.95	MD-3-JR (LOW Pw. VER.)	109.95
MP-33-N*	353.95	6 on 10, 5, 12, 15, 17, 20, 30 & 40 on 20 Meters, 48 foot heavy boom.	5,485.95	MD-5 (10, 15, 20, 40, 75/80)	269.95
MP-33-N-WARC*	462.95	Conversions for the PRO Series	523.95	MD-6 (10, 12, 15, 17, 20, 40)	239.95
Hot 4 Element for 10, 15, & 20		PRO-57-A57-B	178.95	TW-3-X (20, 40 75/80)	
TA-34-XL	632.95	PRO-57-B57-B-40	367.95	Verticals	
TA-34-XL-WARC	693.95	PRO-57-B67-B	178.95	RV-4-WARC	189.95
The "Smallest 5 Band Beam"		PRO-67-A67-B	593.95	RV-7-WARC	282.95
10, 12, 15, 17, & 20 Meters		PRO-67-B67-C-2	489.95	RV-7-WARC	319.95
TA-53-M	585.95	PRO-67-B98-2	1,353.95	RV-8-C	99.95
TA Conversion Kits & Add Ons		PRO-95-95-40	229.95	RV-8-C	99.95
TA-31-MTA-32-M*	234.95	PRO-95-95-2	759.95	VHF/UHF Beams	189.95
TA-31-MTA-32-JR*	190.95	PRO-96-96S	1,855.95	AM-2N6 (2 & 6 M Beam)*	449.95
TA-32-MTA-33-M*	212.95	Large HF Logs		AM-5-6 (5 M 5 Element)*	209.95
TA-32-JR/TA-33-JR*	184.95	MLPS-3-30-48 (Double Boom)	MLPS-4-30-48	A-504-L-S (6 M 4 Element)*	119.95
TA-33-MTA-34-M*	212.95	ALP-13-30-36 (13 to 30 MHz)	581.95	A-505-L (6 M 5 Element)	164.95
TA-40-KR*	189.95	ALP-6-30-36 (6 to 30 MHz)	581.95	A-506-L-S (6 M 5 Element)	229.95
TA-30-KR*	189.95	ALP-16-18-36 (16 to 18 MHz)	790.95	A-507-L-S (6 M 5 Element)	229.95
MPK-3*	179.95	40M Shorten Heavy Duty Beam	274.95	MY-144-5 (2 M 5 Element)*	49.95
SR WARC KIT*	195.95	S-401-M (40 Meter Dipole)	1,297.95	MY-220-9-1-3/4 M 9 Element)*	69.95
JR WARC KIT*	185.95	S-402-M (40 M 2 Element)	1,687.95	MY-430-14-3/4 M 14 Element)*	59.95
34 XL WARC KIT*	199.95	S-402-M-3 (3" Boom)	790.95	VHF/UHF 5/8 Wave Gnd. Plane	
34-M WARC KIT*	195.95	S-403 (40 M 3 Element)	1,297.95	DI-2 (2 Meter 5/8 Wave G.P.)	39.95
DUAL BAND WARC BEAMS		S-403-3 (3" Boom)	1,687.95	DI-2 (W/N COAX)	48.95
TW-21-M*	188.95	Mono Band Full Size Light Weight Beams		DI-220 (W/SO239)	34.95
TW-22-M*	279.95	A-310 (10 M 3 Element)*	238.95	DI-220 (W/N COAX)	44.95
TW-23-M	349.95	A-315 (15 M 3 Element)*	303.95	DI-440 (W/N COAX)	40.95
TW-24-XL	635.95	A-320 (20 M 3 Element)	390.95	CB Antennas	
Tri-Band WARC Beams		Mono Band Full Size Heavy Duty Beams		A-311	259.95
TW-33-XL	589.95	CL-103 (10 M 3 Element, 12')	289.95	A-311T	319.95
TW-32-XL*	429.95	CL-153 (15 M 3 Element, 14')	359.95	A-311T	449.95
TW-31-XL*	229.95	CL-203 (20 M 3 Element, 14')	599.95	A-311-S	189.95
"Classic" Series Beams		CL-403 (40 M 3 Element, 42')	4,548.95	A-311-S	289.95
CL-33-M	462.95	CL-104 (10 M 4 Element, 18')	449.95	A-311-S	399.95
CL-33-M-WARC	592.95	CL-154 (15 M 4 Element, 24')	698.95	Stacking Kit (Hardware)	
CL-36-M	699.95	CL-204 (20 M 4 Element, 36')	1,248.95	Stacking Kit (Phasing)	69.95
CL-39	2,287.50	CL-404 (40 M 4 Element, 84')	5,548.95	Accessories	
Special and Heavy Duty Beams		CL-105 (10 M 5 Element, 24')	1,029.95	PENATROX (1 OUNCE)	5.35
S-33 (17, 20, 40 M 3 Element)	1,004.95	CL-155 (15 M 5 Element, 36')	1,248.95	COAX WALL PLATE	12.75
The PRO's		CL-205 (20 M 5 Element, 46')	1,895.95	WALL FED THRU	15.75
"Five", "Six", and "Seven" Bands		CL-106 (10 M 6 Element, 36')	1,790.95	ROOF FEED CAP	16.50
(PRO's with 24 Foot Boom)		CL-156 (15 M 6 Element, 44')	2,410.95	Internet	
10, 12, 15, 17 & 20 Meters		CL-206 (20 M 6 Element, 54')	2,410.95	mosley-electronics.com	
PRO-57-B	747.95	CL-107 (10 M 7 Element, 42')	1,815.95	**The above prices do not include shipping, handling or insurance. All prices are FOB Union, Missouri, USA.	
PRO-57-B-3 (3" Boom)	958.95	CL-157 (15 M 7 Element, 52')	2,559.95	**Prices and specifications are subject to change without notice or obligation.	
10, 12, 15, 17, 20 & 40 Meter Dipole		YB-Series			
PRO-57-B-40-3	815.95	YB-12-A (12 M 3 Element)	289.95		
PRO-57-B-40-3 (3" Boom)	1,055.95	YB-17-A (17 M 3 Element)	469.95		
10, 12, 15, 17, 20 & 40 Meter 2 Element		YB-23-A (12/17 M 6 Element)	659.95		
PRO-67-B	915.95				

Order cancellation and return policy.

If an order is placed and shipped and then cancelled, it is subject to a restocking charge of 20%. This is to cover re-boxing and examining the antenna for resale. The shipping charges will not be refunded since the carrier will still need payment. An order which is charged and then cancelled, will be handled through our accounting office and you will pay the reversal fee which Visa/MC carries our account. Prior to returning any product you must receive a RMA (Return Merchandise Authorization) from Mosley. We receive hundreds of shipments at our docks and if the shipping department isn't aware of the shipment it will be refused or lost, and no refund will be allowed.

*Oversize packaging uses 35 lbs. Minimum UPS charge.

CONVERSIONS and up dates FOR THE PRO...SERIES

Mosley was the "first" antenna company to create a reliable, durable, efficient "Tri-Band" antenna for the world's Ham community. The TA-33 has set the standard for all Tri-Band antennas around the world!

Over the years the frequency spectrum has increased to the point to create a need for a "Multi-Multi" band beam. As early as 1948 Mosley started creating "5" band antennas to answer the demand for these Multi-Frequency request. However they were designed to cover a small area of a band and were used by Military and Commercial stations, which were limited to specific frequencies.

With the approval of the new "Amateur" frequencies and the progress of the new electronics, it became apparent to Mosley that a broad band beam was going to be needed in the future. An antenna that would concentrate its performance in several selected frequencies.

Out of Mosley's research, the "PRO" series was started. The original testing started in 1979, and it wasn't until 1983 that we had a production model of the PRO-37. From this antenna, and our testing, we have over the years, improved on that original design.

Others will tell you how they would have done it, but they didn't. You must first have the idea before it can be improved upon. All of us at Mosley, strive to create and build the best product in the world. These conversions, especially the up grades, have evolved because we continue pushing to learn more. When we discover a way to improve a product, it is implemented into that product. You the customer benefits.

The design of the PRO, is another Mosley first in the industry first. We manufacture a wide range of antenna types, and styles. We could have incorporated other methods such as a driven log cell into the PRO, or used more mono band elements. However, our objective was to create an antenna with a very high "Q", that was broad banded, covered a variety of frequencies and use the least number of elements. The PRO series has accomplished this!

We will stay on the high road, and continue to develop our own new products. We continually review our product lines to see if there's one more something we can squeeze out of the system. By doing this, we will keep creating the best, all around antenna products you can buy!

For performance information, refer to model of antenna in the catalog, to which you are converting!

PRO-57-B to PRO-57-B-40

Adds 40 Meter Dipole to existing "5" bands.

PRO-67-B to PRO-67-C

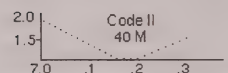
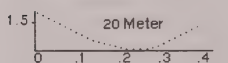
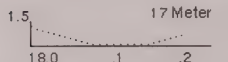
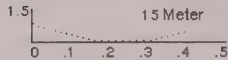
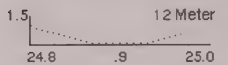
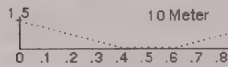
Adds a 3rd Element to 40 Meters. Gives improved performance on 10, 12, 15, 17, and 20 Meters.

PRO-95 to PRO-95-40

Adds 40 meter Dipole to existing "5" bands.

Mosley... "A Better Antenna"

"PRO-96" 10-15-17-20-40 Meter, 9 Element Beam (PRO-96-2) (PRO-96-3)



The PRO-96 is everything a "HAM" could ask for in a beam.

- * Stainless Steel
- * No Measuring
- * Color Coded
- * All aircraft drawn tubing
- * 2 Year Full Warranty

If you want to have 6 Mono Banders all in "ONE" then look no more! The PRO-96 gives you wide spaced elements for 10 through 20 and a close spaced 40 meter 3 element all with a single feed line.

The PRO-96-2 is designed for "crank-ups" or "tilt over" towers. The PRO-96-3 is recommended for fixed, high installations.

The PRO-96-2 is capable of 80 M.P.H. winds with no ice load and 65 M.P.H. with a 1/4" of radial ice.

The PRO-96-3 is capable of 100 M.P.H. with no ice load and 80 M.P.H. with a 1/4" of radial ice.

If you want one of the best, then choose the PRO-96!

SWR Curves are for Code Setting II

Forward Gain:

10 Meter, 6 elements	10.5 dbd.
12 Meter, 4 elements	8.9 dbd.
15 Meter, 4 elements	9.1 dbd.
17 Meter, 4 elements	9.1 dbd.
20 Meter, 4 elements	9.5 dbd.
40 Meter, 3 elements	7.8 dbd.

Front-to-Back:	10 Meter	20 db.
	12 Meter	19 db.
	15 Meter	20 db.
	17 Meter	19 db.
	20 Meter	20 db.
	40 Meter	18 db.
Power Rating:	CW	2.5 KW
	SSB	5.0 KW
SWR at resonant:	10 thru 20	1.0/1 to 1.6
	40 Meters	1.0/1 to 2.0
Boom Length:		36 ft.
Turning Radius:		25 ft.
Recommended Mast Size:		2-3 in. Hvy
Maximum Element Length:		43 ft. 9 in.
Assembled Weight:	PRO-96-2:	185 lbs.
	PRO-96-3:	185 lbs.
Wind Surface Area (in sq. ft.):		22 ft. ²
Wind Load (EIA standard 80 M.P.H.):		509 lbs.
Shipping Weight (approx.):		2"-180 lbs.
		3"-200 lbs.
Warranty:		2 Years
		6 Bands!

"PRO-95" Big... Big... GUN for 10, 12, 15, 17 & 20

The Mosley "PRO-95" is the "BEST" 5 band antenna designed for Amateur radio anywhere.

The PRO-95 uses all heavy duty drawn tubing and the best made stainless steel hardware. All tubing and hardware parts are specially made to make the PRO-95 an antenna that will last and perform for years.

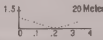
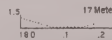
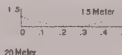
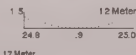
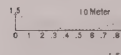
Concerning our mast plate and other hardware parts, our competitors don't know what heavy duty means. We have seen some companies brag about their 1/4" mast plate. Our TA-33-JR uses a 1/4" plate. The PRO-95 uses a 3/8" 6061-T6 x 24" wide, 12" high for a mast plate. THAT'S "HEAVY DUTY" in amateur use! (This plate is considered medium duty in our military and commercial use.) The antenna comes with its own independent strut support and Stainless Steel 3/16" aircraft control cable. This makes getting the antenna prepared for placement on the tower much easier, while not placing extra stress on the mast.

The PRO-95 gives you "6" elements on 10 meters, 4 elements on 12 meters, 4 elements on 15 meters, 4 elements on 17 meters, and 4 wide spaced elements on 20 meters.

If you're tired of maintaining several towers, rotors and antennas then the PRO-95 is for you. Now you can replace all these other systems and have "ONE" tower system which will give you Mono band performance. The PRO-95 has been "Hurricane" tested by Andrew and Hugo, and as with all the Mosley antennas, they came through with flying colors.

For extremely harsh environments you can obtain a "3" boom version of the PRO-95, but this is rarely needed. (Wind conditions at 150 M.P.H.).

Whether you're just starting to get into large antennas or you're wanting to consolidate your present system, the PRO-95 is for you!



Forward Gain:	10 Meter	10.5 dbd.
	12 Meter	8.9 dbd.
	15 Meter	9.1 dbd.
	17 Meter	9.1 dbd.
	20 Meter	9.5 dbd.
Front-to-Back:	10 Meter	20 db.
	12 Meter	19 db.
	15 Meter	20 db.
	17 Meter	19 db.
	20 Meter	20 db.
Power Rating: CW		2.5 KW
	SSB	5.0 KW
SWR at resonant frequency:		1.0/1 to 1.6
Boom Length:		36 ft.
Turning Radius:		22 ft. 8 in.
Recommended Mast Size:		2 in.
Maximum Element Length:		27 ft. 6 in.
Assembled Weight:		145 lbs.
Wind Surface Area (in sq. ft.):		18 ft. ²
Wind Load (EIA standard 80 M.P.H.):		450 lbs.
Shipping Weight (approx.):		155 lbs.
Warranty:		2 Years

Mosley PRO-96-S

"THE ELIMINATOR!"

The Top of the PRO-Series

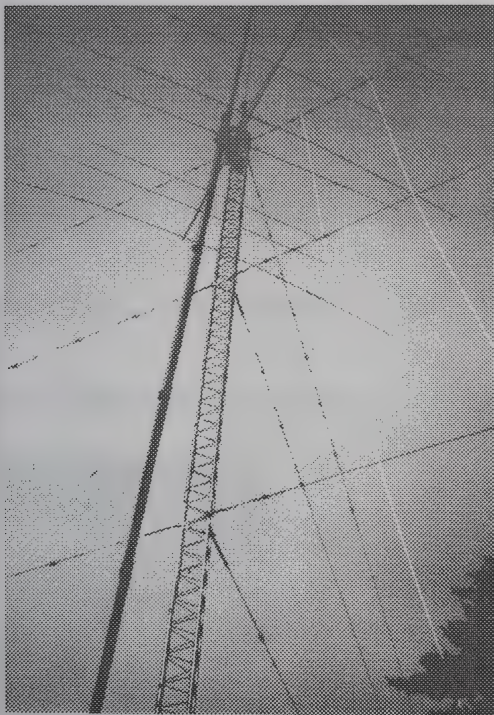
Kills on 7 Bands!

ANOTHER Mosley First! The PRO-96-S

This is the LARGEST performing antenna for
10, 12, 15, 17, 20, 30, and 40 meters.

(Specifications and Dimensions)

Gain:	10M	8 elements	11.0 dbd
	12M	5 elements	9.9 dbd
	15M	5 elements	10.1 dbd
	17M	5 elements	10.1 dbd
	20M	5 elements	10.5 dbd
	30M	3 elements	7.8 dbd
	40M	4 elements	8.8 dbd
Front to Back:	10M		20 db
	12M		19 db
	15M		20 db
	17M		19 db
	20M		20 db
	30M		18 db
	40M		20 db
Power:	CW		2.5 kw
	SSB		5.0 kw
	RTTY/AMTOR		800 w
	AM/FM		800 w
Turning Radius:			32.5 ft.
Longest Element::			43.75 ft.
Sq.Ft.:			32 sq.ft.
Wind load:(@ 80 M.P.H.)			609 lbs.
Assembled Wt.:			215 lbs.
Mast Size:			2 or 3" Heavy
Coax: (Mosley)			RG-8/RG-213
Boom:			3.0" x .108" x 48"
Liner:			2.786 x .125
Tubing: (Drawn)			6061T6/6063-T832
Warranty:			2 Years
Shipping:			Truck



if you want to have 7 Mono Banders all in "ONE", then look no more! The PRO-96-S gives you wide spaced elements for 10, 12, 15, 17, 20, 30, and 40 meters, all with a single feed line!

The PRO-96-S is capable of taking a 100 M.P.H. with no radial ice, and 80 M.P.H. with a 1/4 inch of radial ice. This antenna eliminates trapless beams.

If you want the best of the bestm then choose the Mosley PRO-96-S!

Mosley... "A Better Antenna"

MOSLEY HF LOGS

(From our Military and Commercial Product Line)

The MLP-Series are Special Order Items. The ALP-Series are now Standard Amateur Products. The ALP-Series are lighter than the MLP-Series, however, are much STRONGER than any other commercially made logs. We have included the MLP-Series to make you aware of them so that if you have a special need, we will be able to be of service. For Amateur use, refer to the ALP-SERIES on the following pages. For MLP-Series pricing and specifications, contact our Commercial Department.

The New Mosley Light Weight Series of MLP-S and ALP (Amateur Version) log periodic gives you a broad frequency range in a Manageable antenna. The new Mosley design gives you 50 years of Mosley ruggedness in a Lighter weight design than other traditional LP's.

These antennas will cover their frequency range under 2:1. The power handling capabilities are up to 10,000 watts. While being hundreds of pounds lighter than other log periodics, these antennas will survive a 100 mile per hour wind with a 1/4" of radial ice.

These antennas also cut down on the size of tower, rotor and other hardware normally required. The assembly time is quicker and can be easily installed in the field, without the huge equipment that the traditional logs have required.

MLPS-3-30-D Frequency 3 to 30 MHz

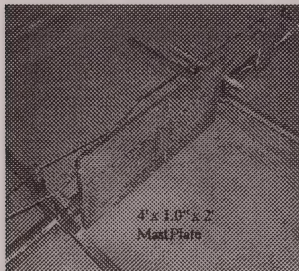
The MLPS-3-30 is capable of transmitting from 3 MHz to 30 MHz. This antenna is basically capable of receiving from the broadcast frequencies up beyond 30 MHz. Its lighter weight design allows the same coverage as heavier logs, but at many of hundreds of pounds less weight. Even though the MLPS-3-30 is lighter it will survive the same conditions as heavier models. This unique Mosley design gives you the best of both worlds, Great Broad Band Performance and Strength, while making installation an easier task.

MLPS-4-30-D Frequency 4 to 30 MHz

The MLPS-4-30 is built in the same manner as the MLPS-3-30, the only difference is the frequency coverage and it is lighter than the MLPS-3-30. This log will cover the majority of the frequencies you will need. And as with the MLPS-3-30, the MLPS-4-30 will receive several MHz out of its transmit range. The SWR on the MLPS-4-30 will give you a reliable 2.5:1 over its frequency range.

MLP-6-30 Frequency 6.8 to 30 MHz

The MLP-6-30 is THE BIGGEST LITTLE log we make. It covers from 6 MHz through 30 MHz while only requiring a 48 foot boom. This antenna is lighter and stronger than antennas which cover these frequencies. The ALP-6-30 will allow continuous tuning from 6 MHz to 30 MHz with the same performance as any other manufacturer's log. This antenna is designed to give you the MOST performance for the LEAST amount of money.



Here is a sample of the hardware used on a Mosley Log!



NEW..... LOG PRODUCTS FOR THE AMATEUR! SMLP-Series

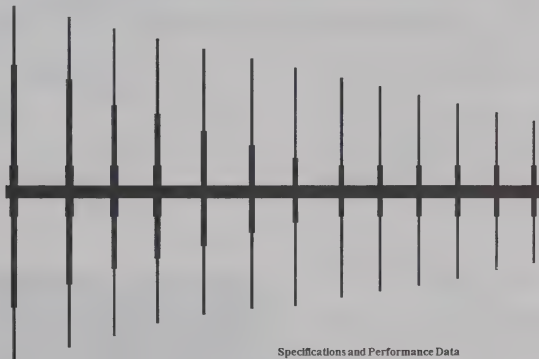
The logs mentioned above are "True" log periodic. Mosley has also created a line of logs to compete with our competitors that are a compromise version of a log. These models of antennas have a greatly shortened boom and will not give the gain that our ALP's or MLP's exhibit. However, the AMLP logs will have the Mosley quality and will be stronger and more reliable than other compromise antennas.

If an amateur does not have the need for frequency excursion, however, wants to cover all the main amateur frequencies, we recommend using one of the PRO series of antennas. These antennas, since they are concentrated on specific frequencies, will outperform a log periodic in gain. This new line will allow us to compete with our competitors and to sell these models at a competitive price due to the decrease in size and materials, while still giving you the Mosley quality you come to expect.

MOSLEY LOGS FOR THE AMATEUR
(From our Military and Commercial Product Line)

Note: For those of you that aren't familiar with the Log Periodic, the data below is the correct size for a log that operates a frequency range of 13.0 to 30 MHz. The best overall gain to be expected from a log with the correct number of elements and spacing is 7.7 dbd. Fewer elements or shorter boom is a compromise. We realize that a lighter weight and smaller boom is cheaper, however, we have been asked this question enough that we thought we should address question.

ALP-13-30-36



Specifications and Performance Data
for ALP-13-30-36, HF-Log:

The Mosley ALP-13-30-36 is designed to give you both medium and long range communication capabilities.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

The antenna comes with a 5 KW balun, the coax line connector (PL-259 or optional "N").

The warranty on this antenna is two years against any defects of material or workmanship.

The ALP-13-30-36. This Log covers from 20 Meters through 10 Meters on the ham bands and gives you any frequency in between. The boom is 36 foot long and the antenna uses 13 elements.

The normal SWR in the ham bands is 1.3/1.

Minimum Gain at 13.0 MHz:	7.0 dbd
Minimum Gain at 30.0 MHz:	7.7 dbd
Front to Back at 13 MHz:	25.0 db
Front to Back at 30 MHz:	30.0 db
Transmission Line Coaxial:	50/52.0 ohm
Square Foot Area:	18 sq. ft.
Wind Load (@ EIA 80 m.p.h.):	790 lbs.
Wind Loading Capability:	
No ice:	100 m.p.h.
1/4" Radial Ice:	80 m.p.h.
Boom:	3" x .233 x 36'
Mounting Mast Size:	3" Thick Mast
Longest Element Length:	38' 0"
Turning Radius:	26' 5"
Power Rating:	
SSB:	10 KW
Continuous Carrier:	5 KW
Polarization:	Horizontal
Connection:	"SO-239"
	"N" connector is available
Maximum VSWR at 50 ohms:	2.0/1
Average VSWR at 50 ohms:	1.3/1
Antenna Weight:	300.0 lbs. (approx.)
Shipping Weight:	400.0 lbs. (approx.)

(From our Military and Commercial Product Line)

The Mosley ALP-6-30-48 is designed to give you both medium and long range communication capabilities.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

The antenna comes with a balun, and the coax line connector (PL-259 or optional "N").

The warranty on this antenna is two years against any defects of material or workmanship.

The ALP-6-30-48. This antenna covers from 7.0 MHz through 30 MHz. This log is the best built, and best performing log periodic on the Amateur Market anywhere in the WORLD! The ALP-6-30-48 uses a 48 foot boom with 17 elements to give exceptional performance on ALL ham bands and general coverage frequencies.

The normal SWR in the ham bands, is 1.3/1.

*Specifications and Performance Data
for ALP-HF-Log:*

Minimum Gain at 6.5 MHz:	7.0 dbd
Maximum Gain at 30.0 MHz:	7.7 dbd
Front to Back at 6.5 MHz:	20.0 db
Front to Back at 30 MHz:	30.0 db
Transmission Line Coaxial:	50/52 ohm
Square Foot Area:	35 sq. ft.
Wind Load (@ EA 80 m.p.h.):	1033 lbs.
Wind Loading Capability:	
No ice	100 m.p.h.
1/4" Radial Ice	80 m.p.h.
Boom:	3" x .233 x 48'
Mounting Mast Size:	3" Thick wall Mast
Longest Element Length:	75.0'
Turning Radius:	44' 8-1/2"
Power Rating:	
SSB:	10,000 watts
Continuous Carrier	5,000 watts
Polarization:	Horizontal
Connection:	"SO-239" or "N"
Maximum VSWR at 50 ohms:	2:1
Average VSWR at 50 ohms:	1.5:1
Antenna Weight:	490.0 lbs. (approx.)
Shipping Weight:	550.0 lbs. (approx.)

The ALP-6-18-36

This Log is a special design to cover the more popular lower frequencies in the amateur spectrum. The antenna gives you a BIG signal on 40, 30, 20, and 17 Meters. The antenna has 13 elements on a 36 foot boom.

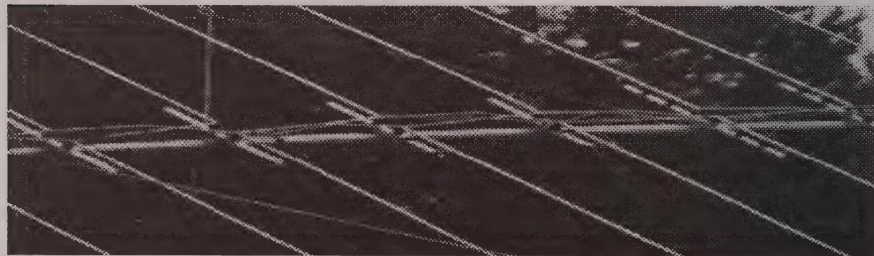
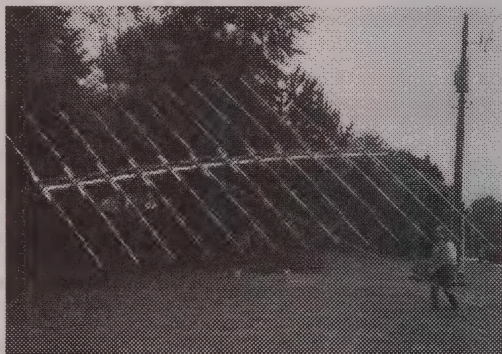
The ALP-6-18-36 is an "Excellent" antenna for those who aren't interested in any frequency below 18.8 MHz.

This antenna is very popular with the Military and Commercial users due to the frequency range being below the harsh affects of the "Sun Spot Cycle".

These frequencies will always have a path that is reliable for every day communications.

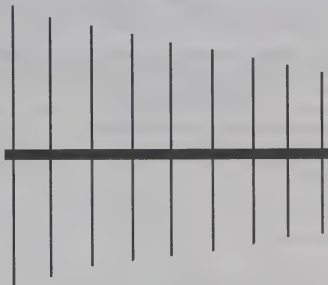
The ALP-6-18-36 is built in the same manner as all our logs. The Weight and Specifications are similar to the ALP-13-30-36.

The normal SWR in the ham bands is 1.3/1.



SMLP-14-28-18

Mini-Log

Light Weight, Log Covering
20, 17, 15, 12, 11, 10 Meters**SMLP-14-28-18**

- *Stainless Steel Hardware
- *Pre Drilled
- *Aircraft grade Drawn Tubing
- *Color Coded
- *No Measuring
- *No Hose Clamps
- *Exceeds competitor logs (similar size) in construction and performance

The Mosley AMLP-14-28-18 is designed to give you a broad frequency cover while maintaining a small physical size.

As with all Mosley antennas, your elements and boom pieces are all pre-drilled and color coded, which makes assembly quick and easy.

The antenna comes with a balun, the coax line connector (PL-259 or optional "N").

The warranty on this antenna is two years against any defects of material or workmanship.

The AMLP-14-28-18 log antenna covers from 14.0 MHz through 28 MHz.

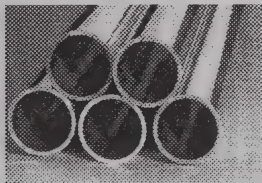
This log is the best built in its class, and best performing log periodic on the Amateur Market in this small class anywhere in the WORLD!

The AMLP-14-28-18 uses a 18 foot boom with 9 elements to give good performance on the ham bands and fair results on the general coverage frequencies.

The normal SWR in the ham bands, is 1.5/1.

Specifications and Performance Data for SMLP-HF-Log:

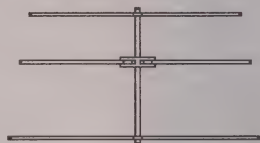
Minimum Gain at 14 MHz:	6.0 dbd
Maximum Gain at 28.0 MHz:	7.9 dbd
Front to Back at 14 MHz:	20.0 db
Front to Back at 28 MHz:	30.0 db
Transmission Line Coaxial:	50/52 ohm
Square Foot Area:	9.5 sq. ft.
Wind Load (@ EIA 80 m.p.h.):	215 lbs.
Wind Loading Capability:	
No ice	80 m.p.h.
1/4" Radial Ice	60 m.p.h.
Boom:	2" x .104 x .125 x 18'
Mounting Mast Size:	2" Mast
Longest Element Length:	35.0"
Turning Radius:	19' 8-1/2"
Power Rating:	3,000 watts
SSB:	1,500 watts
Continuous Carrier	Horizontal
Polarization:	"SO-239"
Connection:	"N" is available
Maximum VSWR at 50 ohms:	2.5:1
Average VSWR at 50 ohms:	1.5:1
Antenna Weight:	58.0 lbs. (approx.)
Shipping Weight:	68.5 lbs (approx.)



**"Short Boom", MONO BAND BEAMS, COMPACT-HIGH POWER-
LIGHT WEIGHT-RUGGED**

Mosley A-310, A-315 & A-320

"Power-Master" Beams are full sized arrays, each designed for operation on a single band. Mosley A-310, ten meter three element. Mosley A-315, fifteen meter three element. Mosley A-320, twenty meter three element. Superlative performance and constructive characterizes each beam to insure satisfaction under most adverse conditions. Antennas are 100% rust proof. Stainless steel hardware, high impact polystyrene insulators with drawn aluminum elements & boom will provide many additional years of trouble-free operation. Low SWR over entire band width. Maximum gain on all bands with an operating capacity well over 3 KW. All "Power-Master" antennas are fed with 52 ohm coax using the famous Mosley Match.

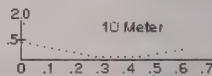


Mosley A-310 (10 Meter • 3 Element)

Forward Gain:	7.6 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.0/1
Maximum Element Length:	18 ft. 7 in.
Boom Length:	12 ft.
Turning Radius:	11 ft. 1 in.
Wind Load (EIA standard 80 MPH):	69 lbs.
Assembled Weight:	25 lbs.
Shipping Weight (approx.):	33 lbs.
Warranty:	2 Years

A-310

10 Meter, 3 Element Beam

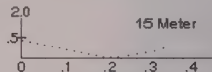


Mosley A-315 (15 Meter • 3 Element)

Forward Gain:	7.0 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.0/1
Maximum Element Length:	23 ft. 4 in.
Boom Length:	12 ft.
Turning Radius:	13 ft. 2 in.
Wind Load (EIA standard 80 MPH):	87 lbs.
Assembled Weight:	26 lbs.
Shipping Weight (approx.):	34 lbs.
Warranty:	2 Years

A-315

15 Meter, 3 Element Beam

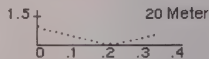


Mosley A-320 (20 Meter • 3 Element)

Forward Gain:	6.7 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.0/1
Maximum Element Length:	35 ft. 4 in.
Boom Length:	14 ft.
Turning Radius:	18 ft. 9 in.
Wind Load (EIA standard 80 MPH):	140 lbs.
Assembled Weight:	40 lbs.
Shipping Weight (approx.):	45 lbs.
Warranty:	2 Years

A-320

20 Meter, 3 Element Beam



MORE YAGI ANTENNAS**Mosley Mono-Band Yagi Antennas for frequencies between 6.0 to 30 MHz and up to 7 elements.**

Mosley single frequency Yagis are made to order in a variety of sizes. These antennas can be made from a 2 element to a 7 element depending on the frequency. Stock antennas are already available for 10, 12, 15, 17, 20, and 40 meters. These models range from rotatable dipoles to 7 element wide spaced beams. Some of these will be listed, however, if you don't see a particular type, please call our engineering line and we will try and help you fill your request.

2 Element Yagi Beam

The two element configurations as shown in the illustration below are designed to operate in a frequency range from 6 to 30 MHz., with power capabilities up to 3,000 watts with continuous carrier. If your power requirements exceed 3,000 watts, present models can be modified to comply with your needs.

3 Element Yagi Beam

The three element configurations as shown in the illustration are engineered to operate in a frequency range from 7.0 to 30.0 MHz, with power capabilities in excess of 1,000 watts. These 3 element beams can be made to handle 10,000 watts if so desired.

They can be designed to furnish the maximum amount of gain or front to back ratio, whichever would be the most effective for the type of communications required.

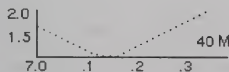
Our staff will be happy to discuss your individual situation and application with you.

Just two models from our design department!



Specifications and Performance Data
for the 2 Element Configuration:
Example at: 7.0 MHz

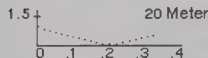
Minimum Gain	5.2 dbd
Front to Back	20.0 db
Transmission Line	RG-213
Wind Load (Average)	200.0 lbs.
Boom	2" x .104 x .125 x 24'
Element Length (Average)	45.0 foot
Turning Radius (Average)	25.0 foot
Antenna Weight (Average)	60.0 lbs.



"Hot! Very Hot!"

Specifications and Performance Data
for 3 Element Configurations:
Example at 14.0 MHz

Minimum Gain	8.2 dbd
Front to Back	24.0 db
Transmission Line	RG-213
Wind Load (Average)	200.00 lbs.
Boom	2" x .104 x .125 x 24'
Element Length (Average)	38.0 foot
Turning Radius (Average)	21.5 feet
Antenna Weight (Average)	60.0 lbs.

**No. 48 or 50 Sand Cast Clamping Block**

All Mosley beams use Rugged Aluminum Sand Cast clamping blocks to hold elements in place on the boom. Only Mosley uses these specially designed clamps!

Saving you MONEY Factory Direct!

Mosley... "A Better Antenna"

More Single Frequency Yagis for HF 1 to 7 Elements Covering 3.5 MHz to 30 MHz

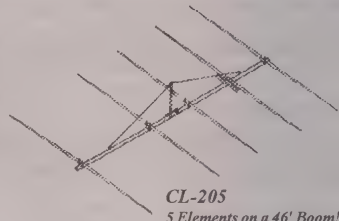
Mosley has a variety of Mono-Band Yagis which have a very high forward gain and an exceptional good forward pattern. These antennas are built on a heavy 3" boom and range from 4 to 7 elements depending on the operating frequency. The largest Yagi from 3.5 MHz through 6.0 MHz is 2 elements. In the frequency range of 6.0 through 10.0 MHz is 3 elements and from 10.0 MHz to 14.0 MHz is 4 elements. The largest Yagi we build as a standard model from 14.0 through 30.0 MHz is 7 elements.

(Our engineering department will discuss weights, size and variations in antennas for your individual requirements).

Prices are calculated per individual antenna since these models will vary in Size, Construction Design, Power capabilities and cost of materials at the time of your order.

Specifications for:	2 Elements	3 Elements	4 Elements	5 Elements	6 Elements	7 Elements
Gain:	5.5 dbd	7.7 dbd	9.3 dbd	10.5 dbd	11.5 dbd	12.5 dbd
Front-to-Back:	20.0 db	20.0 db	20.0 db	20.0 db	20 db	20db

These are the Best Performing Mono Band Beams Made! We challenge you to beat our CL-205 Five element on 20 Meters!



Anyone For 75 or 80 Meters?

Here is a pair of antennas that will give you a "**BIG, BIG**" Signal on the lower frequencies of 75 or 80 Meters!

Put up a Mosley RD-75/80 and blow open the band!

The problem with other 75/80 meter rotatable dipoles is that they don't survive very long. Not with a Mosley! This antenna is built to last.

We use the same design on this antenna that we use on our Military and Commercial dipoles. The dipole alone weighs **185** pounds. It uses a 3" channel web to start the elements inner section.

If you have a big tower put a "Big" Mosley **RD-75/80** on it and work and hear what you want, when you want!

Specification and Performance Data

Forward Gain:		0.0 dbd.
75/80 Meter Dipole		5.0 dbd
75/80 Meter Beam		00 db.
Front-to-Back Ratio:	Dipole	20 db
	Beam	2.0 KW
Power Rating:	CW	3.5 KW
	SSB	"Mosley" match
Matching System:		50/52 ohm
Recommended coax: (RG-8-U/RG-213)		1.0/1 to 1.65/1 at 75 Hz +/-
SWR at resonant frequency:		3" x 36 ft. Dual
Boom Length:		50 ft. 11 in.
Turning Radius:		3 in. Heavy or Platform
Recommended Mast Size:		95 ft. 8 in.
Maximum Element Length:		185 lbs./650 lbs.
Assembled Weight (approx.):		8.7 ft. ² or 19.8 ft. ²
Wind Surface Area (in sq. ft.):		550 lbs. / 1690 lbs.
Wind Load (EIA standard 80 M.P.H.):		250 lbs. / 800 lbs.
Shipping Weight (approx.):		2 Years
Warranty:		



If the RD-75/80 isn't big enough for you and you want a 2 element beam's performance on 75/80, then the ML2-75/80 is for you.

This 2 element beam uses a 36 foot 3" double boom. Even though this antenna is huge, it will survive the most challenging of environments. As with all Mosley antennas, just put it up and have fun.

With the ML-2 you will own the 75/80 meter band!



Mosley YB-12-A

12 Meter
3 Element • Full Size
Stainless Steel Hardware
Exclusive Mosley Gamma Match System
2 Year Warranty

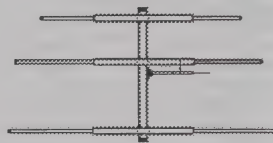
A rugged, compact 3 element full size mono bander for 12 meters. Heavy duty components combined with light, clean, rugged construction ensure a lifetime of reliable service. This is the same advanced design and quality engineering which have earned Mosley's outstanding reputation in the Commercial and Military markets. True broad band performance. Excellent gain and front-to-back ratios.

Mosley YB-17-A

17 Meter
3 Element • Full Size
Stainless Steel Hardware
Heavy Duty • Thick Wall Construction
2 Year Warranty

Mosley YB-23-A

12 & 17 Meter
6 Element • Full Size
Full Mono band Performance
Stainless Steel Hardware
Heavy Duty • Thick Wall Construction
2 Year Warranty



The YB-17 and YB-23-A features the proven heavy duty PRO Series boom, which easily handles the most severe weather conditions. This beam provides optimal performance yielding 8.2 dbd. forward gain while maintaining over 25 db. front-to-back. The entire antenna is designed to meet the most challenging weather conditions experienced anywhere in the world. Heavy duty, stainless steel hardware, pre-drilled and color coded. With this beam and 100 watts, you can easily and reliably work the world!

The YB-23-A is two full size 3 element mono banders on a single boom using a single Gamma™ feed system and feed line. The YB-23-A provides performance equivalent to that achieved by separate mono banders. Incorporating Mosley's exclusive Gamma Stub™ matching system, proven through the year of military and commercial application. Heavy duty, quality construction, top performance and both bands in one beam. When you think it can't be done...look again! Mosley did it!

Specifications & Performance Data

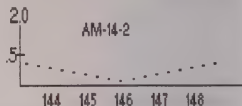
Model:	YB-12-A	YB-17-A	YB-23-A
Forward Gain:			
12 Meter	8.2 dbd.		8.2 dbd.
17 Meter		8.2 dbd.	8.2 dbd.
Front-to-Back Ratio:	25 db.	25 db.	25 db.
Power Rating: CW	1.5 KW	1.5 KW	1.5 KW
P.E.P. SSB.	3.0 KW	3.0 KW	3.0 KW
SWR at resonance:	1.3/1	1.3/1	1.3/1
Feed Point Impedance:	50 ohms	50 ohms	50 ohms
Matching System:	"Gamma Match"	"Gamma Match"	"Gamma Match"
Number of Elements:	3 full size	3 full size	6 full size
Maximum Element Length:	20 ft.	28.06 ft.	26.06 ft.
Boom Size:	14 ft.	18 ft.	18 ft.
Recommended Mast Size (O.D.):	1-1/2 in./2 in.	2 in.	2 in.
Turning Radius:	12.2 ft.	16.7 ft.	16.7 ft.
Wind Surface Area (in sq. ft.):	4.8 ft. ²	6.0 ft. ²	8.4 ft. ²
Wind Load (EIA standard 90 MPH):	96 lbs.	130 lbs.	169 lbs.
Assembled Weight (approx.):	25 lbs.	42 lbs.	63 lbs.
Shipping Weight (approx.):	28 lbs.	45 lbs.	68 lbs.
Warranty:	2 Years	2 Years	2 Years

"Power-Master" Heavy Duty VHF Beam

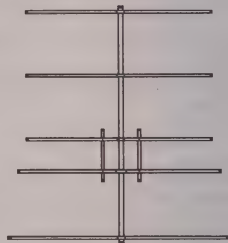
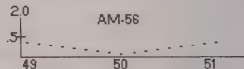
Mosley "Power-Master" VHF antennas combine superlative performance with the most rugged construction to be found in any VHF antenna for amateur use. Element sections are 5/8" O.D. and 1/2" O.D. aircraft tubing, establishing an extremely low ratio of length-to-diameter. All metal hardware is stainless steel or other rust-proof material. The element-to-boom clamping blocks are of high-impact polystyrene and are self aligning. A unique matching stub permits antenna to be fed direct with 52 ohm coax. The AM-14-2 gives you a very low VSWR over the entire band, while maintaining a high "Q".

Mosley AM-14-2 2 Meter, 14 Elements**Specifications & Performance Data**

Forward Gain:	15.9 db.
Front-to-Back Ratio:	25 db.
Side Rejection:	45 db
SWR at resonance:	1.1/1
Maximum Element Length:	3 ft. 5 in.
Boom Length:	12 ft.
Turning Radius:	6 ft. 5 in.
Wind Load	1.8 sq. ft.
(EIA standard 80 MPH):	37 lbs.
Assembled Weight:	18.5 lbs.
Warranty:	2 Years

**AM-14-2****AM-56 "Six" Meter Beam 5 Elements****AM-56****5 Element Six Meter Beam****Specifications & Performance Data**

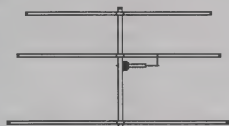
Forward Gain:	10.8 db.
Front-to-Back Ratio:	20 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 9 in.
Boom Length:	12 ft.
Turning Radius:	6 ft. 5 in.
Wind Load	2.1 sq. ft.
(EIA standard 80 MPH):	32 lbs.
Assembled Weight:	14.5 lbs.
Warranty:	2 Years



The AM-56 is an extra rugged 6 meter beam. The antenna is made out of aircraft grade drawn tubing, which is pre drilled and color coded. All the hardware is stainless steel. The antenna will handle all the power you can put into it. It is capable of 100+ mph winds and just about any ice or sand conditions. The AM-56 will give you a "life time" of superb use!

A-503-S**3 Element Six Meter Beam****Specifications & Performance Data**

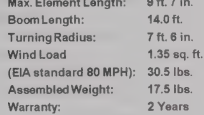
Forward Gain:	6.8 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 9 in.
Boom Length:	6 ft.
Turning Radius:	6 ft. 5 in.
Wind Load	1.3 sq. ft.
(EIA standard 80 MPH):	22 lbs.
Assembled Weight:	7.5 lbs.
Warranty:	2 Years



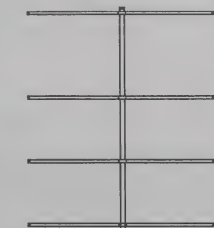
These "A" series 6 meter beams are light weight, and durable given you excellent gain with a sharp pattern. The "A" series uses a special Mosley "gamma feed", which gives you an efficient transfer of power and signals!

A-506-M-S**6 Element Six Meter Beam****Specifications & Performance Data**

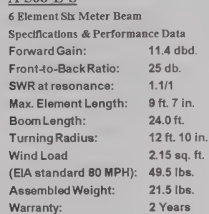
Forward Gain:	9.3 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 7 in.
Boom Length:	14.0 ft.
Turning Radius:	7 ft. 6 in.
Wind Load	1.35 sq. ft.
(EIA standard 80 MPH):	30.5 lbs.
Assembled Weight:	17.5 lbs.
Warranty:	2 Years

**A-504-M-S****4 Element Six Meter Beam****Specifications & Performance Data**

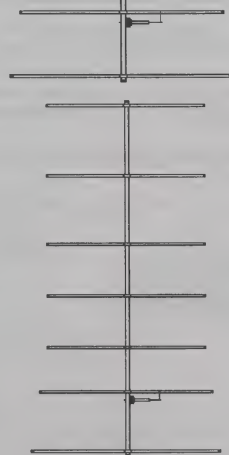
Forward Gain:	7.5 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 9 in.
Boom Length:	9 ft.
Turning Radius:	6 ft. 5 in.
Wind Load	1.45 sq. ft.
(EIA standard 80 MPH):	28 lbs.
Assembled Weight:	10.5 lbs.
Warranty:	2 Years

**A-506-L-S****6 Element Six Meter Beam****Specifications & Performance Data**

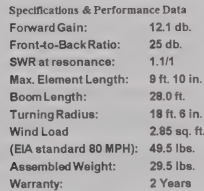
Forward Gain:	11.4 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 7 in.
Boom Length:	24.0 ft.
Turning Radius:	12 ft. 10 in.
Wind Load	2.15 sq. ft.
(EIA standard 80 MPH):	49.5 lbs.
Assembled Weight:	21.5 lbs.
Warranty:	2 Years

**A-505-S****5 Element Six Meter Beam****Specifications & Performance Data**

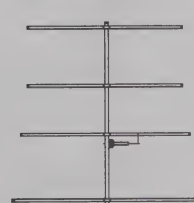
Forward Gain:	9.0 db.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 9 in.
Boom Length:	12 ft.
Turning Radius:	7 ft. 5 in.
Wind Load	1.45 sq. ft.
(EIA standard 80 MPH):	35 lbs.
Assembled Weight:	14.5 lbs.
Warranty:	2 Years

**A-507-L-S****7 Element Six Meter Beam****Specifications & Performance Data**

Forward Gain:	12.1 db.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 10 in.
Boom Length:	28.0 ft.
Turning Radius:	18 ft. 6 in.
Wind Load	2.85 sq. ft.
(EIA standard 80 MPH):	49.5 lbs.
Assembled Weight:	29.5 lbs.
Warranty:	2 Years

**A-504-L-S****4 Element Six Meter Beam****Specifications & Performance Data**

Forward Gain:	8.3 dbd.
Front-to-Back Ratio:	25 db.
SWR at resonance:	1.1/1
Max. Element Length:	9 ft. 9 in.
Boom Length:	12 ft.
Turning Radius:	7 ft. 5 in.
Wind Load	1.65 sq. ft.
(EIA standard 80 MPH):	31 lbs.
Assembled Weight:	12.5 lbs.
Warranty:	2 Years

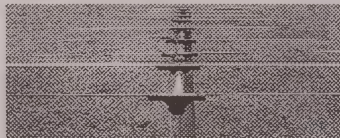


MY-Series VHF/UHF Yagi

"MY-Series" Light Weight, Low Wind Load VHF/UHF Yagis

Specifications & Performance Data

Model:	<u>MY-144-5</u>	<u>MY-144-9</u>	<u>MY-220-9</u>	<u>MY-430-14</u>
Frequency in MHz	144 to 148	144 to 148	220 to 225	430 to 450
Power Rating: AM/CW/FM	1 KW	1 KW	1KW	1KW
P.E.P. SSB.	2 KW	2 KW	2 KW	2 KW
Forward Gain: (reference dipole)	10 db.	12 db.	12 db.	16.5 db.
(isotropic source)	12 db.	14 db.	14 db.	18.5 db.
Front-to-Back Ratio:	20 db.	20 db.	20 db.	20 db.
Feed Point Impedance:	52 ohms	52 ohms	52 ohms	52 ohms
SWR:	1.0/1	1.0/1	1.0/1	1.0/1
Matching System:	Folded dipole	Folded dipole	Folded dipole	Folded dipole
Number of Elements:	5	9	9	14
Maximum Element Lgt	3 ft. 5 in.	3 ft. 5 in.	27 in.	15 in.
Boom Length:	4 ft. 6 in.	9 ft.	8 ft. 2 in.	6 ft. 10 in.
Mast Size:	1" to 1 1/4"	1" to 1 1/4"	1" to 1 1/4"	1" to 1 1/4"
Turning Radius:	2 ft. 10 in.	4 ft. 10 in.	4 ft. 2 in.	3 ft. 10 in.
Wind Area (in sq. ft.):	0.4 ft. ²	0.8 ft. ²	0.7 ft. ²	.68 ft. ²
Wind Load (EIA 80 MPH):	6.6 lbs.	10.5 lbs.	7.0 lbs.	7.0 lbs.
Assembled Weight:	2 lbs.	3.5 lbs.	3.5 lbs.	3.5 lbs.
Shipping Weight:	Oversize 30 Pound Minimum UPS charge			
Warranty:	2 Years	2 Years	2 Years	2 Years



3/4, 1-1/4, 2 Meter Beams

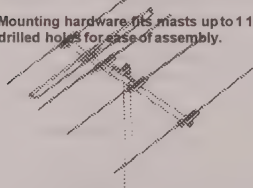
(Turn these with only a heavy duty TV rotor!)

Incorporated in the Mosley MY-Series are the same high standard of quality construction established by Mosley for over 50 years of manufacturing amateur antennas.

Rugged yet light-weight, these beams have 1/8 inch O.D. solid aluminum elements. The unique element-to-boom insulator permits easy adjustment in element length for tuning. Element spacing and length have been carefully engineered to give high forward gain, good front-to-back ratio and broad frequency response.

The matching system, incorporated in the radiator element is a 200 ohm folded dipole with a 4 to 1 coaxial balun for maximum efficient transfer of RF energy from cable to beam.

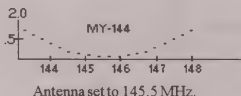
Mounting hardware fits masts up to 1 1/4 in. O.D. Antenna comes complete with illustrated instructions and color coded parts with pre-drilled holes for ease of assembly.



MY-144-5



MY-144-9



MOSLEY ALL BAND DIPOLES.....

One Low Profile Antenna Can Do It All For A Very Low Price And Give You Years of Operating Enjoyment!

Why Buy a No Name When You Can Have Mosley Quality In A Simply Well Performing Trapped Dipole?

MD-SERIES TRAPPED DIPOLES

Mosley offers other Trapped Dipoles. You can combine at least 8 different frequencies in one dipole. These frequencies can range from 3.5 to 30 MHz. All Mosley dipoles use the patented DPC-1 center connector.

MD-2

40/80 Meters

Model MD-2 Doublet antenna resonates at 40 and 80 meters and provides a typical figure eight 1/2 wave length dipole pattern at each frequency. Parallel resonant trap circuits are used to automatically select the proper electrical length for each band. A center connector (Mosley DPC-1) holds No. 14 gauge wire securely. The traps are enclosed in aluminum and are designed to be frequency stable through a wide climatic variations. This antenna is adjustable for the desired resonant frequency on both bands.

MD-2-W

Same as above covers 80 and 30 meters.

MD-3, MD-3-Jr.

This model gives you three bands in one antenna. You can choose 10, 15, and 20 or 10, 15 and 40 meters. The MD-3 comes in two models the MD-3 which allows maximum legal power on the above bands.

The second model is a MD-3-Jr., a low power version of the MD-3. The frequency coverage is the same as the MD-3, however, the JR. is lighter weight and will handle up to 500 watts CW and 1,200 PEP.

MD-5, Trapped Dipole for 10, 15, 20, 40, and 75/80 Meters

The MD-5 gives you 5 of the most common bands in one antenna. With a single feed line you will have a 1/2 wave dipole on 10, 15, 20, 40 and 80 meters. You can feed the MD-5 with either 50 or 72 ohm coax. Whether you are just beginning in ham radio or you have been on the air for years, the MD-5 is a convenient, room saving antenna. Total length is 114 feet.

MD-6, Trapped Dipole for 10, 12, 15, 17, 20, 40

The MD-6 is built in the same manner as the other MD-Trapped Dipoles, but it gives you six of the more popular frequencies all in one antenna. The MD-6 uses a single 50 or 72 ohm feed line.

***MD-8 (NEW!)**

Trapped Dipole for 10, 12, 15, 17, 20, 30, 40 & 80

The MD-8 is built in the same manner as the other MD-Trapped Dipoles, but it gives you all of the ham frequencies between 3.5 and 30 MHz, all in one antenna. The MD-8 uses a single 50 or 72 ohm feed line.

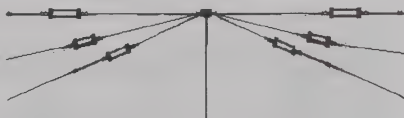
Specifications and Performance Data for Largest Model

SWR	1.5/1 or better
Power Rating	1.5 KW
SSB	3.0 KW
Maximum overall length	114 feet
Transmission Line	50 or 72 ohm line
Assembled Weight	7 lbs.
Shipping Weight	9 lbs.

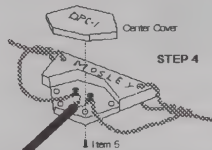
DIV-80 Horizontal or Inverted "V" Dipole Antenna Kits

Features Do-It-Yourself Construction. Know the satisfaction of accomplishment by working CW or Phone with an antenna you cut and designed for specific frequency in a given band. Here is a unique opportunity: you make all your own calculations with the aid of the technical information we supply.

The DIV Antenna Kit features elements made with durable copperweld wire for greater strength. The long established Mosley Dipole Connector (Model DPC-1) makes building your antenna an easy job. The DPC-1 fits RG-8/U or RG-58/U coax. Weather proof construction with corrosion proof hardware. The DIV Kits cost you less than if you bought the parts yourself. The kit contains enough wire, insulators and center connector to build a dipole from the lowest frequency to any frequency above the kit frequency. The DIV-80 you can build an antenna from 80 meters to 10 meters.



Before tightening screws, be sure wire is fitted into slot.



Mosley... "A Better Antenna"

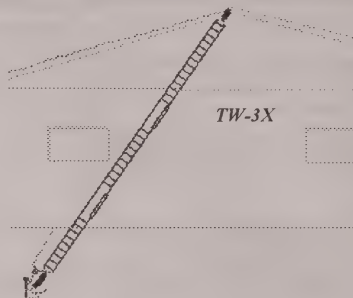
TW-3X

Compact Three Band Antenna for 20, 40, 75/80 Meters

Have trouble finding space to install a good antenna? The TW-3X can be mounted in many different configurations!

Install it to fit your QTH.

This antenna is a trap grounded 1/4 wave antenna using a unique method of tuning and a single 50 ohm coax line. Maximum antenna length is 58 feet. No radials are necessary in most cases and the antenna may be mounted in a varying number of positions to fit almost any location. Easily assembled kit consists of 62 feet of 450 ohm open wire, two condensers of suitable rating and three antenna insulators. Antenna is pre-tuned if assembled according to the instructions and may be easily adjusted for the desired resonant frequency to fit the various locations.



Mosley Verticals-All use-Stainless Steel Hardware-Aircraft Grade Drawn Tubing-No Measuring-2 Year Warranty

VL-75/80

75/80 Meter Mono Band Vertical

The VL-75/80 uses linear loaded sections which gives you a full size 1/4 wave length on 75/80 meters with a physical length under 50 feet.

The VL-75/80 has very good band-width. For off resonant areas of the band, a simple tuner can be used without affecting the performance.

The vertical only uses a single mounting pipe which comes with the antenna. A nylon guy kit and a radial kit is also included, however, the kits don't have to be used if you're limited for room.

The antenna works well without a radial system, however, an antenna of this size will hear better and get out farther, with a good radial system under it.

The vertical element starts out with a 3" web channel, and is built in the same manner as our Military and Commercial versions. This means that once you install the VL-75/80 your only requirement will be to have fun with it, not working on it.

VL-160**

160 Meter Mono Band Vertical

This antenna is designed to give you a broadcast capability in a shortened vertical antenna. The total overall height of the antenna is under 55 feet and comes complete with its own mounting and guying hardware.

* The VL-75/80 will require a small amount of concrete for the mounting pipe if the upper guy kit is not used.

** The VL-160 will require the use of the upper guy kit and the concrete base for the mounting pipe



For 10, 15, 20, 40 Meters

(Nothing As Inexpensive or as Good!)

Automatic Band Switching

Omni-directional

One-Quarter Wavelength

Multi Band Verticals

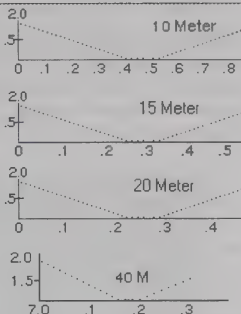
Mosley RV-4C

If you're cramped for space and looking for the finest in a self supporting vertical, here's an antenna designed with you in mind. Mosley RV Verticals for 4 or 5 band operation feature automatic band switching from the location of the transceiver. Each antenna utilizes the world famous "Trap-Master" traps. Undisputed and unaltered since their inception, Mosley "Trap-Master" traps incorporate high 'Q' coils firmly fixed on molded forms. These high quality metal encased traps maintain resonant frequency stability on all bands under a wide variety of weather conditions. With a simplified base mounting technique, no concrete footing is necessary. These heavy-duty verticals measure up to the most exacting commercial standards. Elements are swaged for extra strength and reduced wind load. Low angle, omni-directional radiation and minimum SWR (1.5/1 or better at resonance) assure maximum performance. Power is fed directly to antenna with a single 52 ohm coax line.

Add 75/80 Meters

Mosley RV-8C

Designed to convert the RV-4C antenna to include the 75/80 meter band. The LC circuit incorporates a high 'Q' coil constructed of #12 tinned copper wire. A vinyl coil housing, closed at one end, assures weather protection. An insulated aluminum condenser tube fits over the vertical element. Heavy-duty insulators maintain 'U' shaped matching section loop, and a matching section rod connects loop to coil.



RV-4-C

Mosley
RV Base

RV-8-C ADD ON



Specifications & Performance Data

Model:	RV-4C	RV-8C
Bands (meters):	10, 15, 20 & 40	75/80
Power Rating:	1 KW	1 KW
	2 KW	2 KW
Feed Point Impedance:	52 ohms	52 ohms
SWR at resonance (1.5/1 or better):	1.5/1	1.5/1
Recommended Transmission Line:	RG-8/U	RG-8/U
Number of Radials:	4	5
Maximum Radial Length (approx.):	34 in. 7 in.	80 ft.
Height (approx.):	22 ft.	22 ft.
Recommended Mast Size (O.D.):	2 in.	2 in.
Ground Required:	Yes	Yes
Wind Surface Area (in sq. ft.):	2.05 ft. ²	.5 ft. ²
Wind Load (EIA standard 80 MPH):	42.5 lbs.	10.0 lbs.
Assembled Weight (approx.):	9.25 lbs.	4.5 lbs.
Shipping Weight (approx.):	30 lbs.	6 lbs.
Warranty:	2 Years	2 Years

Mosley RV-6 WARC

10, 12, 15, 17, 20 & 40 Meter

Compact • Under 19 ft. Tall, Heavy-duty Construction, Stainless Steel Hardware

No Measuring - Pre-Drilled - Color Coded

Single Feed Line and a 2 Year Warranty

The new Mosley verticals RV WARC series have been designed to combine ease of installation and excellent performance. These verticals require only modest ground systems. Complex ground rod and radial systems may be used if the operator desires, but extensive installation experience has proven that outstanding performance is achieved with only a simple mounting post which doubles as the ground rod. As a result, these antennas are ideally suited for upper story installation, city lot dwellers or easy installation in even the most sophisticated QTH.

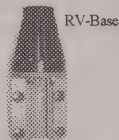
Mosley RV-7 WARC 10, 12, 15, 17, 20, 30 & 40 Meter

All Other features of the RV-6, plus 30 Meters.

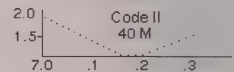
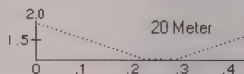
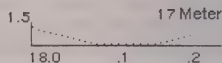
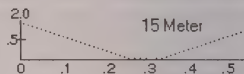
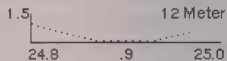
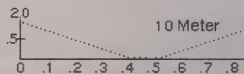
Mosley RV-8C WARC

75/80 Meter Add-On to the RV series Verticals

The RV-8-C WARC Modification kit for WARC verticals will expand your WARC vertical coverage to include 75/ 80 meters.



RV-Base



RV-6-C with the RV-8-WARC Attached

Specifications & Performance Data

Model:	RV-6-C	RV-7-C
Bands (meters):	10, 12, 15, 17, 20 & 40	10, 12, 15, 20, 30 & 40
Power Rating:		
C W	1 KW	1 KW
P.E.P. SSB	2 KW	2 KW
Feed Point Impedance:	52 ohms	52 ohms
SWR at resonance (1.5/1 or better):	1.5/1	1.5/1
Recommended Transmission Line:	RG-8/U	RG-8U
Number of Radials:	6	7
Maximum Radial Length (approx):	34 in. 7 in.	34 ft. 7 in.
Height (approx.):	20 ft.	21 ft.
Recommended Mast Size (O.D.):	2 in.	2 in.
Ground Required:	Yes	Yes
Wind Surface Area (in sq. ft.):	2.05 ft. ²	2.05 ft. ²
Wind Load (EIA standard 80 MPH):	44 lbs.	44 lbs.
Assembled Weight (approx.):	11 lbs.	12 lbs.
Shipping Weight:	25 lbs.	25 lbs.
Warranty:	2 Years	2 Years

2 Meter
Omni-directional
Ground Plane
5/8 Wave Vertically Polarized

(Also Available for 220 and 440 MHz)
DI-220 and the DI-440

*Super Little 2 Meter Combination!
"Omni" & Mono for VHF/UHF
The Mosley DI-2 And MY-144-S!*

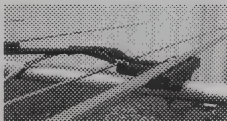
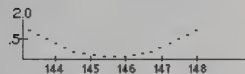


Omni-directional vertically polarized, high-performance 2 meter antenna with low angle of radiation for maximum coverage. Ideal for area 2 meter QSO's and repeater to mobile communications. Simplicity of design makes for ease of assembly. The vertical element made of high tensile strength, high grade aluminum. High impact polystyrene base. All hardware is stainless steel. Antenna lightweight. Mounting hardware fits up to 1-1/2" O.D. mast. Another quality addition to the Mosley 2 meter family of antennas.

Specification and Performance Data

DI-2

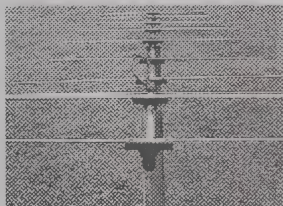
Gain:	3.4 db. Over 1/4 wave
Power Rating:	
FM/CW	1 KW
P.E.P. SSB.	2 KW
SWR at resonance:	1.0/1 to 1.5/1
Impedance:	52 ohms
Matching:	"Mosley Induct-O-Match"
Ground Radials:	4
Wind Load (EIA standard 80 MPH):	6.12 lbs.
Assembled Weight (approx.):	1 lb. 12 oz.
Height (approx.):	4 ft.
Warranty:	2 Years



This Inexpensive Package will take care of your 2 Meter requirements whether you're just starting out, on the band or you are a seasoned operator.

MY-Series VHF/UHF

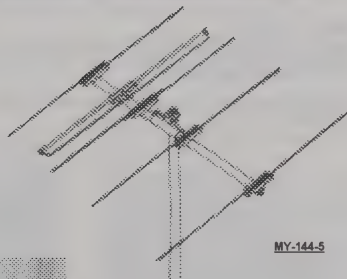
High Performance, Light Weight
Low Wind Load, High Power



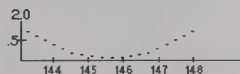
3/4, 1-1/4, 2 Meter Beams

Incorporated in the Mosley MY-144-S, MY-144-9 element Yagis are the same high standard of quality construction established by Mosley for over 50 years of manufacturing amateur antennas. Rugged yet light-weight, these beams have 1/8 inch O.D. solid aluminum elements. The unique element-to-boom insulator permits easy adjustment in element length for tuning. Element spacing and length have been carefully engineered to give high forward gain, good front-to-back ratio and broad frequency response. The matching system, incorporated in the radiator element is a 200 ohm folded dipole with a 4 to 1 coaxial balun for maximum efficient transfer of RF energy from cable to beam. Mounting hardware fits masts up to 1-1/4 in. O.D. Antenna comes complete with illustrated instructions and color coded parts with pre-drilled holes for ease of assembly.

Specification and Performance Data for the MY-144-S is on Page 44.



MY-144-S



Mosley Parts Department

Mosley has a large inventory of replacement parts for our customers of Mosley antennas dating back 50 years. Mosley also offers a large variety of assorted stainless steel hardware, tubing, boom material, U bolts, bar stock, plastic caps, manuals and other antenna parts for sale to the amateur community. If you are home brewing or reconditioning your old Mosley, our parts department will be happy to help you.

You can order replacement parts through our order lines, however, you must have the correct part numbers. The staff on the order lines can only enter a part number into the system. The main job of the order line people is to take orders, they can only give limited help due to the volume of orders they have to process and their limited knowledge of the parts and various antennas.

We have over 1,856 different parts ranging between 4,500 different antennas.

If you aren't sure of what parts you need, call our engineering department and they will give you the correct part numbers so you can order. By doing this, it will ensure that you obtain the correct part when you order.



Mosley Weather Guard*, Antenna Coat*

Weather Guard is a clear paint which protects your antenna from salt air, air pollution, acid rain and the effects of ultra violet light on your antenna or any exposed aluminum.

Weather Guard has been in use around the world for over 40 years, protecting aluminum and other metals.

Weather Guard is painted on the exposed surface of aluminum. When putting Weather Guard on an antenna, it must be painted on just on the exposed surfaces of the tubing. It is not to be painted on any plastic parts or where the elements sleeve, since it will act as an insulator, disrupting the electric length of the element.

When put on an antenna, 50 miles in from salt water, it will keep the antenna in "Brand New" condition for 8 years. In coastal environments it will keep the antenna in new condition for 2 to 3 years depending how near the antenna is to direct salt spray.

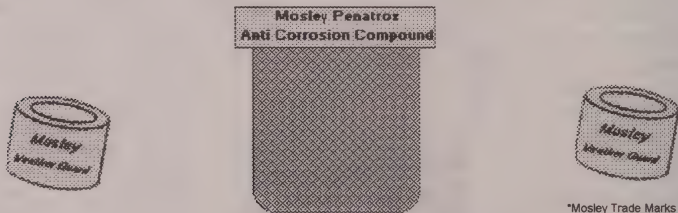
Due to the ingredients in Weather Guard, it is far superior to other paints. Other paints haven't been designed to do the job Mosley Weather Guard does. Can sprays will start losing their ability to protect the antenna in six months.

Weather Guard is also electrically safe for use on resonant systems. In fact it keeps the electrical properties of the antenna intact!

Mosley Penatrox*

Mosley Penatrox was created to work with our precision drawn tubing. The penatrox is furnished with all Mosley antennas. Its purpose is to maintain a good joint between sections of telescoping tubing, without causing electrolysis at the joint. The Penatrox is also a anti seize compound, which keeps the element section from locking up and binding together.

Competitors have tried to even emulate Mosley's Penatrox, however, in trying to copy us, some of them have used a compound which will CAUSE electrolysis instead of stopping it.



* Mosley Trademark

*Mosley Trade Marks

New Mini Series

Here is ANOTHER new Mosley creation.

The MINI-33.

This is the **SMALLEST** true beam performing 3 element antenna for 10, 15, and 20 meters.

The NEW Mosley Mini-33 is the answer to the antenna space problem, while giving you great performance and durability. The Mini-33 only needs 8-1/2' of turning radius to give you a full 360 degrees of rotation!

For those who need to completely hide their antennas, the Mini-33 will easily fit into the majority of attics or upper lofts.

The Mini-33 is built in the Mosley tradition of quality, simplicity, and strength. Even though the antenna weighs 10 pounds, it is capable of taking a 1/4" of radial ice at 60 m.p.h. and 80 m.p.h. with no ice load.

For portable operation, such as field day, fishing trips, etc., the Mini-33 is excellent! The antenna is

Before the Mosley Mini Beam you had to choose either the economy and convenience of a ground plane, vertical, dipole or the superior performance of a beam. Now you can enjoy the best of all worlds. The new deluxe Mosley Mini Beam will do everything a big three element beam antenna will do EXCEPT waste your money, time, and space.

The MB Series:

WILL boost your signal with forward gain!

WON'T clutter your roof!

WILL chop off interfering side and back signals by 25 db!

BUT IT:

WON'T require an expensive mount or rotor!

WILL assemble simply in just a few minutes!

WON'T take hours to put together!

The MB-Series gives you a reduced size single frequency antenna for 6, 10, 15, Meters. On average, the overall size of the antenna is reduced by 34%. This gives you a very low profile and a very lightweight antenna, which can be rotated with a heavy duty TV rotor.

These antennas can handle 500 watts on CW, 250 watts on RTTY and 1,200 watts on SSB. The feed system is a special Mosley fixed gamma match.

The MB-Series antennas use the same drawn tubing, which is pre-drilled and color-coded. It only takes an hour to assemble the antenna. All the hardware used on the antenna is stainless steel or brass.

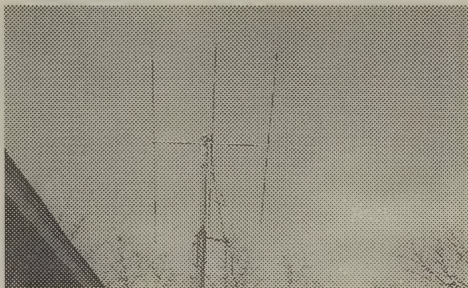
You'll be amazed how well these small antennas truly work. The MB-10, MB-15 have two color coded settings: Code I for CW and Code II for Phone

NEW MINI-33

MB-10



MB-15



MB-10

Specification and Performance Data

Forward Gain:	10 Meter	7.0 dbd.
Front-to-Back:	10 Meter	25 db.
Power Rating:	CW	5 KW
	SSB	1.2 KW
SWR at frequency:	10/1 to 1.6/1	
Boom Length:	10 Meter	9'
Turning Radius:	10 Meter	6' 10"
Max. Size:	1-1/4	
Max. Element Length:	10 Meter	10' 11"
Assembled Wt. (approx.):	10 Meter	6 lbs.
Wind Surface (in sq. ft.):	10 Meter	1.3 sq. ft.
Wind Load (EIA, 80 MPH):	10 Meter	28 lbs.
Shipping Wt. (approx.):	UPS-Over Size 35 lb. rate	
Warranty:	2 Years	

MB-15

Specification and Performance Data

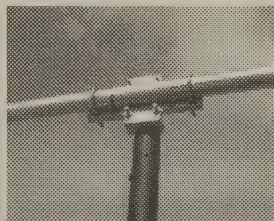
Forward Gain:	15 Meter	6.5 dbd.
Front-to-Back:	15 Meter	25 db.
Power Rating:	CW	5 KW
	SSB	1.2 KW
SWR at frequency:	10/1 to 1.6/1	
Boom Length:	15 Meter	12'
Turning Radius:	15 Meter	9' 10"
Max. Size:	1-1/4	
Max. Element Length:	15 Meter	16' 11"
Assembled Wt. (approx.):	15 Meter	10 lbs.
Wind Surface (in sq. ft.):	15 Meter	2.09 sq. ft.
Wind Load (EIA, 80 MPH):	15 Meter	42 lbs.
Shipping Wt. (approx.):	UPS-Over Size 35 lb. rate	
Warranty:	2 Years	

(Specifications and Dimensions)

Gain:	10M	6.1 dbd
	15M	4.2 dbd
	20M	3.5 dbd
Front to Back:	CW	500 w
	SSB	1,000 w
	RTTY	250 w
	AM/FM	250 w
Turning Radius:		8' 9"
Longest Element:		16.8'
Sq. Ft.:		2.5 sq. ft.
Wind load: (@ 80 M.P.H.)		39 lbs.
Assembled Wt.:		10 lbs.
Max. Size:		1-1/2"
Coax: (Mosley)	100 foot of RG-8/RG-213	
Boom:	1.25" x .058" x 6'	
Tubing: (Drawn)	6061T6/6063T632	
Warranty:	2 Years	
Shipping:	UPS	

predrilled, color-coded, and assemblies in just a few minutes. And as with all of the Mosley antennas, it is made of seamless aircraft grade aluminum, and uses stainless steel hardware.

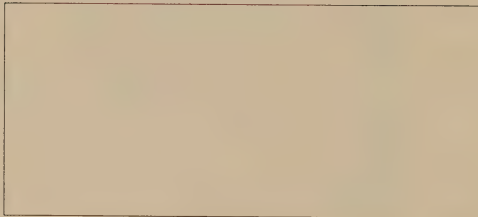
The performance of the Mini-33 will truly surprise you! Whether you enjoy chasing DX, or rag chewing with your friends, the Mini-33 will give you years of enjoyment!



Mosley... "A Better Antenna"

Mosley Electronics, Inc.
1325 Style Master Drive
Union, Missouri 63084
USA

To Amateur Radio Station:



To **ORDER** call: 800-325-4016 or 800-9-MOSLEY or 800-966-7539.
For **Technical information**, call 314-583-8595. To **FAX an order** or for Technical support, use 314-583-0890.
Web: mosley-electronics.com Email: mosley@mosley-electronics.com

Mosley Electronics, Inc.

Bang Glee
was 7000

AMATEUR ANTENNAS

CATALOG NO. H-174

mosley-electronics.com
1-800-966-7539

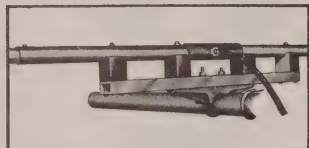
INDEX

TRAP
MASTER

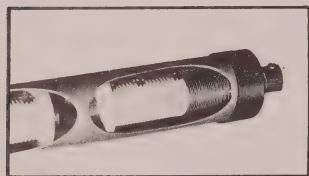
Introduction: The Classic Feed System	2
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The Classic Line

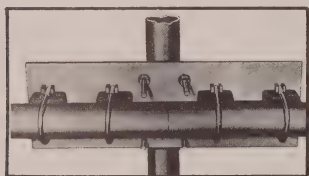
Classic Features



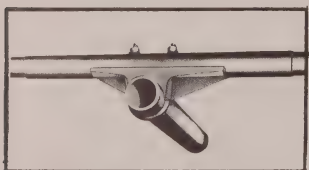
Mosley introduces a revolutionary new beam matching system "broad band capacitive matching"... balanced element is coax fed. Type N connectors supplied.



Famous Mosley All-metal enclosed traps were developed for use in World-Famous Trapmaster beams.



Beam features improved boom to element clamping through stronger clamping blocks and revised clamping methods.



Mosley Trap-Master beams incorporate stainless steel hardware known to survive the rigors of climate, long use.

The Classic Feed System

By W. E. (BARNEY) ST. VRAIN, WØPX

DESIGNING ENGINEER - CLASSIC FEED PROJECT
MOSLEY ELECTRONICS, INCORPORATED

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

SINCE the introduction of multi-frequency beams several years ago, the method of feeding such antennas has been a subject of much disagreement. When these antennas were introduced Mosley Electronics ran a series of advertisements in the technical magazines expaining the method used on our Trap-Master and Power-Master series. Since that time we have tried a wide variety of feed systems endeavoring to improve on the systems

TESTING OTHER FEED SYSTEMS

In testing, we found a 3-band gamma system ineffective without isolation networks which resulted in a feed system cost about equal to the antenna cost; with a system using hairpins, the cost proved low but the system did not provide a better match than the original Mosley Matching System. It became quite clear to us that the Mosley system was hard to beat, for we had found only one slight disadvantage: the elements needed to be stagger tuned to raise the feed point resistance from about 30 to 50 ohms. This slight detuning, which proved advantageous in increasing the bandwidth, brought about, in turn, a slight gain loss of about 0.5 to 1.0 db. at resonance.

THE CLASSIC SYSTEM

In order to give hams new choice in beam matching systems and an antenna featuring maximum gain with increased bandwidth, we devised the matching method used on our new Classic antenna-Balanced Capacitive Matching (Patent Approved)-a method which takes advantage of the principle that antenna resistance at the center driving point increases as the antenna length increases. Figure No. 1 shows the radiator element of a three-element beam at resonance having an impedance at the driving point (Z_A) of about $30 + j0$ ohms. If the element is made longer, Z_A can be raised to about $50 - j50$ ohms (Figure No. 2). Since the reactance is induc-

tive, it can be cancelled with a series capacitor of 50 ohms reactance, leaving 50 ohms feed point resistance (Figure No. 3). Series capacitors used on the Classic antennas are made by inserting a suitable length of heavily insulated wire into each half of the element tube at the center. The wires are terminated in a plastic tube enclosure with a type "N" connector for connection of the coaxial cable. To isolate the outer coax conductor from ground, the coax line is coiled for a few turns near the antenna end. This designed to prevent the very unlikely effect of "Feed Line Radiation."

Fig. 1.

$$L = \frac{\lambda}{2} \quad Z_A = 30 + j0$$

Fig. 2.

$$L = \frac{\lambda}{2} + \quad Z_A = 50 + j50$$

Fig. 3.

$$Z_A = 50 + j0$$

CONVERSION TO OTHER BANDS

Classic beams are not designed for 40-meter or other conversion. The Classic Feed System has a fixed capacity which is not easily changed. This capacity is not high enough for the antenna to operate on 40-meters without making the element excessively long. The engineers at Mosley designed the Classic Feed to give the ham increased bandwidth and extra gain on all bands. It is our conviction that discriminating DX'ers will find these new beams specifically suited to their needs.

Mosley Electronics Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

The Classic ... MULTI-BAND BEAMS

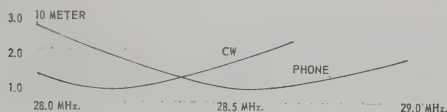
3 Elements

10.1 db Forward Gain (over isotropic source)
on all bands.

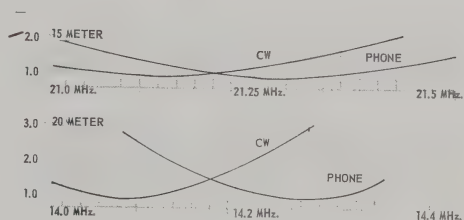
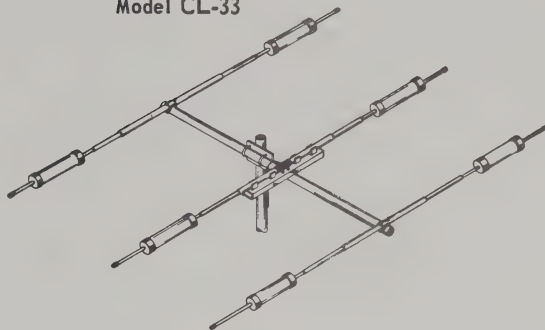
20 db Front-to-Back Ratio on 15 & 20 meters,
15 db on 10 meters.

BRIDGING THE GAP ... The Classic 33, combines the best of two Mosley systems. Incorporating Mosley Classic Feed System for a "Balanced Capacitive Matching" system with a feed point impedance of 52 ohms at resonance, and the Famous Mosley "Trap-Master" Traps for "weather-proof" traps with resonant frequency stability. This extra sturdy multi-band beam, Model CL-33, for operation on 10, 15 & 20 meters features improved boom to element clamping, stainless steel hardware, balanced radiation and a longer boom for even wider element spacing. Power Rating-2 KW P.E.P. SSB. Recommended mast size-2" OD. Wind Load-120 lbs. at 80 MPH. Approx. shipping weight - 45 lbs.

Specifications and Performance Data (see page 5).



CLASSIC-33...10, 15 & 20 Meters Model CL-33



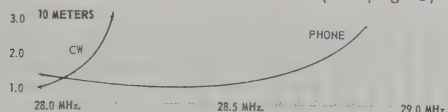
6 Elements

10.1 db Forward Gain (over isotropic source) on
15 & 20 meters, 11.1 db on 10 meters.

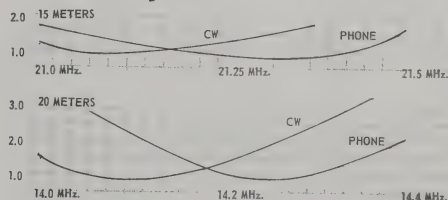
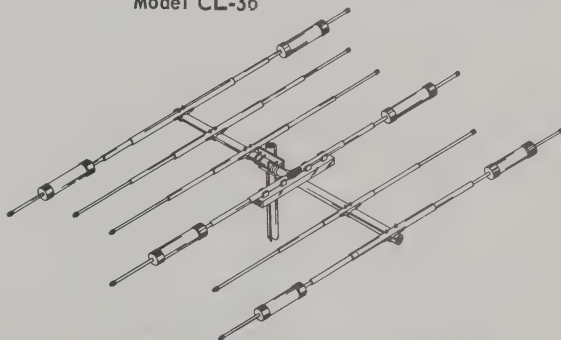
20 db Front-to-Back Ratio on all bands.

The Classic 36, like the smaller Classic 33, incorporates both the Mosley World-Famous Trap-Master Traps and the Mosley Classic Feed System. Designed to operate on 10, 15 & 20 meters, this multi-band beam Model CL-36, employs the high standards of quality construction found in all Mosley products. The boom-to-mast clamping assures stability with a time-tested arrangement of mast plate, cast aluminum clamping blocks and stainless steel U-bolts. The exclusive "Balanced Capacitive Matching" system has a feed point impedance of 52 ohms at resonance. Wind Load-210 lbs. at 80 MPH. Power Rating - 2 KW P.E.P. SSB. Recommended mast size-2" OD. Approx. shipping weight-71 lbs. via truck.

Specifications and Performance Data (see page 5).



CLASSIC-36...10, 15 & 20 Meters Model CL-36



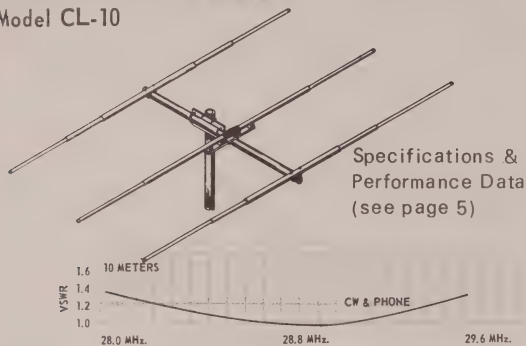
Mosley Electronics Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

The Classic. .SINGLE BAND BEAMS

CLASSIC-10...10 Meters

Model CL-10



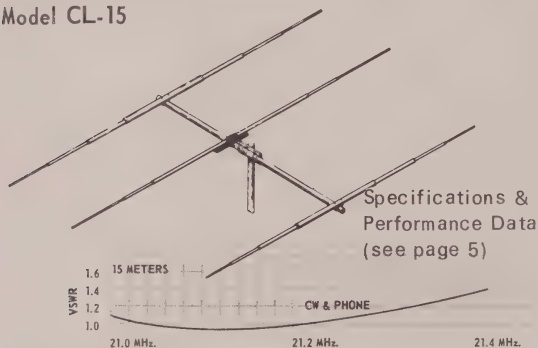
10.1 db Forward Gain (over isotropic source)

20-25 db Front-to-Back Ratio

Incorporating the Mosley patented Classic Feed System, this full size 10 meter single-band beam has "swaged" elements wide spaced on a 12' boom. Maximum element length-18' 4". The high standards in quality construction established by Mosley in over a quarter-century of manufacturing is reflected in this mono-band . . . Model CL-10. Boom-to-mast clamping assures stability with a time-tested arrangement of mast plate, stainless steel U-bolts and cast aluminum clamping blocks. The exclusive "Balanced Capacitive Matching" System has a nominal feed point impedance of 52 ohms at resonance. (Wind Load - 89 lbs. at 80 MPH. Power Rating-2 KW P.E.P. SSB. Recommended mast size-1½" OD.. Approx. shipping wt. - 28 lbs.

CLASSIC-15...15 Meters

Model CL-15



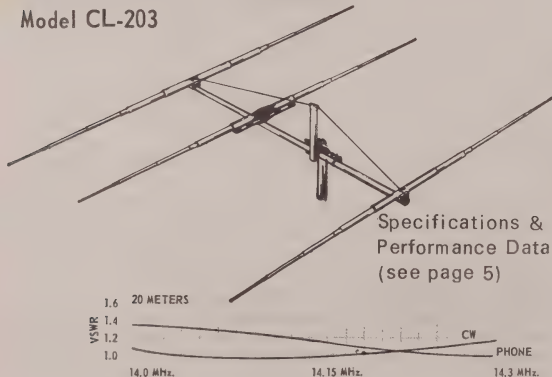
10 db Forward Gain (over isotropic source)

20-25 db Front-to-Back Ratio

The high standards in quality construction established by Mosley in over a quarter-century of manufacturing is reflected in this mono-band . . . Model CL-15. Boom-to-mast clamping assures stability with a time-tested arrangement of mast plate, cast aluminum clamping blocks and stainless steel U-bolts. This full size 15 meter single-band beam has "swaged" elements wide spaced on a 14' boom. Incorporating the Mosley patented Classic Feed System, the exclusive "Balanced Capacitive Matching" System, having a nominal feed point impedance of 52 ohms at resonance. Wind Load - 111 lbs. at 80 MPH. Power Rating - 2 KW P.E.P. SSB. Recommended mast size - 1½" OD.. Approx. shipping wt. - 36 lbs.

CLASSIC-203...20 Meters

Model CL-203



10.1 db Forward Gain (over isotropic source)

20 db Front-to-Back Ratio

Incorporating the Mosley patented Classic Feed System, this full size 20 meter single-band beam has 1½" to 3/8" dia. "swaged" elements wide spaced on a 2" dia. 24' boom. Maximum element length-37' 8". The high standards in quality construction established by Mosley in over a quarter-century of manufacturing is reflected in this mono-band . . . Model CL-203. Boom-to-mast clamping assures stability with a time-tested arrangement of mast plate, cast aluminum clamping blocks and stainless steel U-bolts. The exclusive "Balanced Capacitive Matching" System has a nominal feed point impedance of 52 ohms at resonance. Wind Load-131 lbs. at 80 MPH. Power Rating-2 KW P.E.P. SSB. Recommended mast size-2" OD.. Approx. shipping wt.-42 lbs. via truck.

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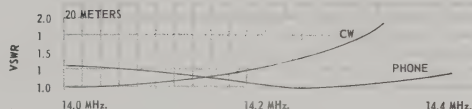
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The Deluxe Classic...20 METER BEAM

- Model CL-20
- 5 Elements
- 12.1 db Forward Gain (over isotropic source)
- 20 db Front-to-Back Ratio

TOP OF THE LINE . . . The Deluxe Classic 20, 5-element 20 meter single-band beam Power Rated at 2 KW P.E.P. SSB. Incorporating the Mosley patented Classic Feed System: "Balanced Capacitive Matching". And the high quality of Mosley construction is reflected in this mono-band, Model CL-20. Boom-to-Mast clamping assures stability with a time-tested arrangement of cast aluminum clamping blocks, stainless steel U-bolts and mast plate. Wind Load - 365 lbs. at 80 MPH. Recommended Transmission Line -RG-8/U. Recommended Mast Size- 3" OD, Approx. Shipping Weight- 145 lbs. via truck.

CLASSIC-20...20 Meters



Specifications & Performance Data

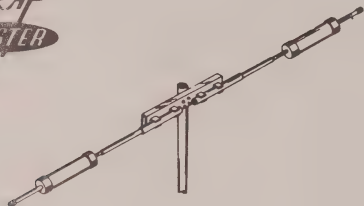
MODEL	MULTI-BAND BEAMS			SINGLE-BAND BEAMS		
		CL-33	CL-36	CL-10	CL-15	CL-203 CL-20
Forward Gain	on 10 meters	reference dipole	08.0 db	09.0 db	08.0 db	
		isotropic source	10.1 db	11.1 db	10.1 db	
	on 15 meters	reference dipole	08.0 db	08.0 db	08.0 db	
		isotropic source	10.1 db	10.1 db	10.0 db	
	on 20 meters	reference dipole	08.0 db	08.0 db		08.0 db 10.0 db
		isotropic source	10.1 db	10.1 db		10.1 db 12.1 db
Front-to-Back Ratio	on 10 meters	15.0 db	20.0 db	20-25 db		
	on 15 meters	20.0 db	20.0 db		20-25 db	
	on 20 meters	20.0 db	20.0 db			20.0 db 20.0 db
Power Rating	AM/CW	1 KW	1 KW	1 KW	1 KW	1 KW
	P.E.P. SSB input to the final	2 KW	2 KW	2 KW	2 KW	2 KW
Feed Point Impedance		52 ohms	52 ohms	52 ohms	52 ohms	52 ohms
Recommended Transmission Line		RG-8/U	RG-8/U	RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance (1.5/1 or better)		1.5/1	1.5/1	1.5/1	1.5/1	1.5/1
Number of Elements		3	6	3	3	5
Maximum Element Length		27'	29' 9"	18' 4"	24' 1"	37' 8½"
Boom Length		18'	24'	12'	14'	24'
Recommended Mast Size (diameter)		2" OD	2" OD	1½" OD	1½" OD	2" OD
Turning Radius		16'	19' 3"	11' 2"	14'	23'
Wind Surface Area (in sq. ft.)		6	10.7	4.36	5.43	6.8
Wind Load (EIA Std. 80 MPH) (in lbs.)		120 lbs.	210 lbs.	89 lbs.	111 lbs.	131 lbs.
Assembled Weight (approximately)		42 lbs.	69 lbs.	22 lbs.	30 lbs.	40 lbs.
Shipping Weight - via truck (approximately)		45 lbs.	71 lbs.	28 lbs.	36 lbs.	42 lbs.

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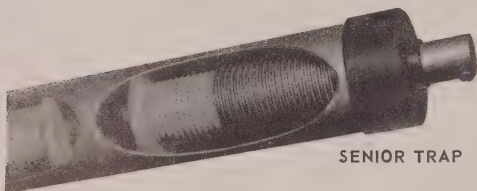
4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

TRAP MASTER...MULTI-BAND BEAMS & DIPOLES

TRAP MASTER 31...Rotary Dipole



Specifications and Performance Data (see page 8)



SENIOR TRAP

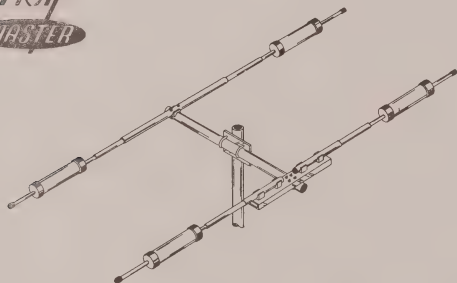
- Model TA-31
- Rotary Dipole
- For 10, 15 and 20 Meters
- 23' 11" Element Length

This is the antenna for the Ham wanting to begin with an inexpensive three band dipole. Incorporating Mosley Trap-Master traps on a 23' 11" element. The high standards in quality construction established by Mosley in over a quarter-century of manufacturing is reflected in this multi-band dipole, Model TA-31. Wind Load - 30 lbs. at 80 MPH. Power Rating - 2 KW P.E.P. SSB. Recommended mast-size - 1 1/2" OD.

- Model TA-31Jr.
- Rotary Dipole
- For 10, 15 and 20 Meters
- 23' 7 1/2" Element Length

The smaller brother of Model TA-31 ... Model TA-31 Jr. is a low power rotatable multi-band dipole. Incorporating the Mosley Trap-Master Junior traps. Power Rating - 1 KW. P.E.P. SSB.

TRAP MASTER 32... 2 Element Beam



Specifications and Performance Data (see page 8)



JUNIOR TRAP

- Model TA-32
- 2 Elements
- For 10, 15 and 20 Meters
- 7.1 db Forward Gain (over isotropic source)
- 20 db Front-to-Back Ratio

The high standards in quality construction established by Mosley in over a quarter-century of manufacturing is reflected in this multi-band 2-element beam ... Model TA-32. Incorporating the World Famous Mosley Trap-Master traps. Boom-to-mast clamping arrangement assures stability with mast plate, clamping blocks and U-bolts. Wind Load - 74 lbs. Power Rating - 2 KW P.E.P. SSB. Recommended mast size - 1 1/2" OD.

- Model TA-32Jr.
- 2 Elements
- For 10, 15 and 20 Meters
- 7.1 db Forward Gain (over isotropic source)
- 20 db Front-to-Back Ratio

The low power brother of Model TA-32 ... Model TA-32Jr. incorporating Mosley Famous Trap-Master Junior traps. Power Rating - 1 KW P.E.P. SSB.

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TRAP MASTER...MULTI-BAND BEAMS

Model TA-33

3 Elements

10.1 db Forward Gain (over isotropic source)

20 db Front-to-Back Ratio

The Mosley TA-33, 3-element beam provides outstanding 10, 15 and 20 meter performance. Exceptionally broad-band - gives excellent results over full Ham bandwidth. Incorporating Mosley Famous Trap-Master traps. Power Rating - 2 KW P.E.P. SSB. The TA-33 may also be used on 40 meters with TA-40KR conversion. Complete with hardware.

Model TA-33Jr.

3 Elements

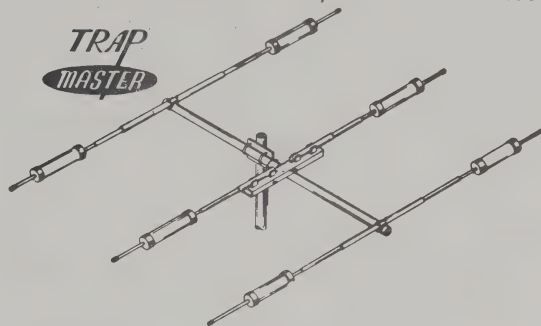
10.1 db Forward Gain (over isotropic source)

20 db Front-to-Back Ratio

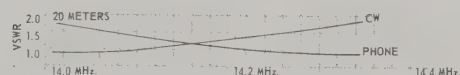
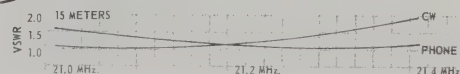
The TA-33Jr. ... incorporates Mosley Trap-Master Junior traps. This is the low power brother of the TA-33. Power Rating - 1 KW P.E.P. SSB.



TRAP MASTER 33...10, 15 & 20 Meters



Specifications and Performance Data (see page 8).



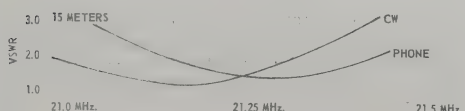
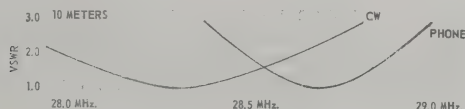
Model TA-36

6 Elements

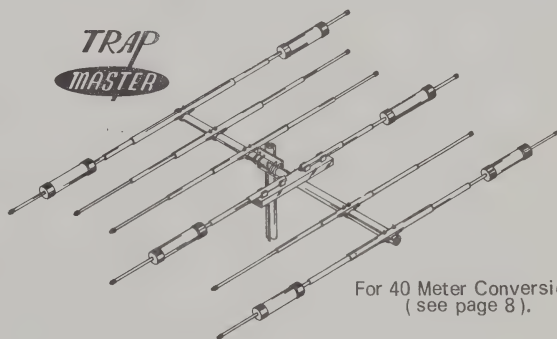
Forward Gain (over isotropic source) - 10.1 db on 15 & 20 meters, 11.1 db on 10 meters.

Front-to-Back Ratio on all bands. 20 db.

This wide-spaced, six element configuration employs 4 operating elements on 10 meters, 3 operating elements on 15 meters, and 3 operating elements on 20 meters. Automatic bandswitching is accomplished through Mosley exclusively designed high impedance parallel resonant "Trap Circuit". The TA-36 is designed for 1000 watts AM/CW or 2000 watts P.E.P. SSB. Traps are weather and dirt proof, offering frequency stability under all weather conditions.

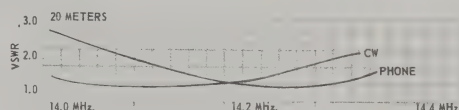


TRAP MASTER 36...10, 15 & 20 Meters



For 40 Meter Conversion (see page 8).

Specifications and Performance Data (see page 8).

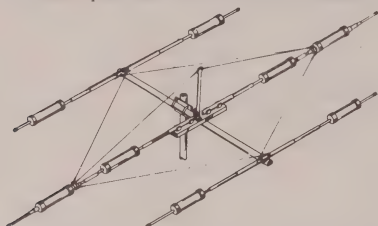


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TRAP MASTER... ANTENNA ACCESSORIES

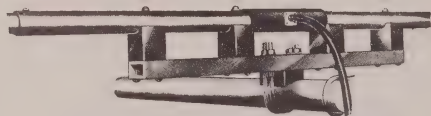
MOSLEY TA-40KR (40 METERS) CONVERSION KIT



Add 40 meters

Work 40 meters in addition to 10, 15 & 20 meters by using a TA-40KR conversion kit on the radiator element of the TA-31, TA-32, MP-33, TA-33 & TA-36 (Beams with broad band capacitive matching may not be converted!) Convert the TA-33Jr. with the MPK-3 (see page 9) before adding the TA-40KR kit. Shipping Weight - 14 lbs.

MOSLEY TAC-33K (CLASSIC FEED SYSTEM) CONVERSION KIT



Add Classic Feed System

Add the Classic Feed System to the TA-32, TA-33 and MP-33. This exclusive Balanced Capacitive Matching system is designed to prevent the possibility of corrosive action in the matching system.

CAN NOT BE USED WITH CONVERSION KIT TA-40KR.

Specifications & Performance Data

ROTARY DIPOLES

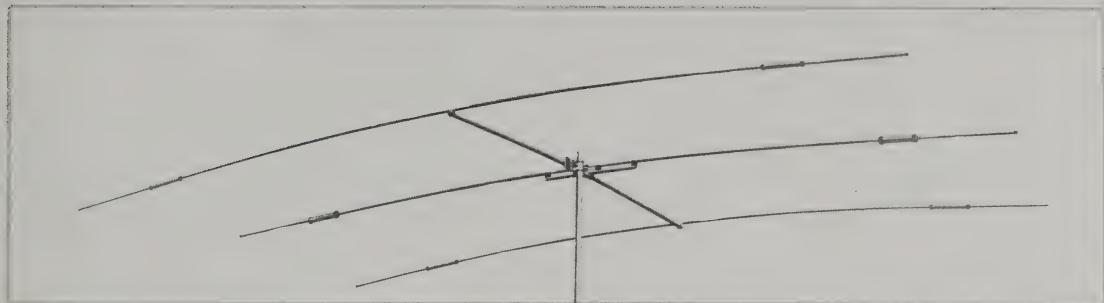
MULTI-BAND BEAMS

MODEL	TA-31	TA-31Jr.	TA-32	TA-32Jr.	TA-33	TA-33Jr.	TA-36
Forward Gain on 15 mtr. reference dipole			5 db	5 db	8 db	8 db	8 db
isotropic source			7.1 db	7.1 db	10.1 db	10.1 db	10.1 db
Front-to-Back Ratio			20 db	20 db	20 db	20 db	20 db
Power Rating AM/CW	1 KW	300 watts	1 KW	300 watts	1 KW	300 watts	1 KW
P.E.P. SSB input to the final	2 KW	1 KW	2 KW	1 KW	2 KW	1 KW	2 KW
Feed Point Impedance	52 ohms	52 ohms	52 ohms	52 ohms	52 ohms	52 ohms	52 ohms
Recommended Transmission Line	RG-8/U	RG-8/U	RG-8/U	RG-8/U	RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance (1.5/1 or better)	1.5/1	1.5/1	1.5/1	1.5/1	1.5/1	1.5/1	1.5/1
Matching System	Mosley	Mosley	Mosley	Mosley	Mosley	Mosley	Mosley
Number of Elements	1	1	2	2	3	3	6
Maximum Element Length	23' 11"	23' 7½"	28'	28' 8"	28'	26' 8"	29'
Boom Length			7'	6'	14'	12'	24'
Recommended Mast Size	1½" OD	1½" OD	1½" OD	1½" OD	1½" OD	1½" OD	2" OD
Turning Radius	12'	12'	14' 6"	13' 9"	15' 6"	14' 9"	19' 3"
Wind Surface Area (in sq. ft.)	2 sq. ft.	1.5 sq. ft.	3.7 sq. ft.	3.1 sq. ft.	5.7 sq. ft.	4.3 sq. ft.	10.7 sq. ft.
Wind Load (EIA Std. 80 MPH)	30 lbs.	30 lbs.	74 lbs.	62 lbs.	114 lbs.	86 lbs.	210 lbs.
Assembled Weight (approximately)	10 lbs.	9 lbs.	24 lbs.	14 lbs.	37 lbs.	20 lbs.	69 lbs.
Shipping Weight (approximately)	13 lbs.	11 lbs.	29 lbs.	20 lbs.	41 lbs.	28 lbs.	71 lbs.

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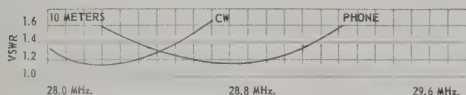
TIG-ARRAY...MULTI-BAND BEAM



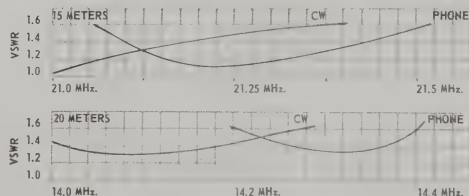
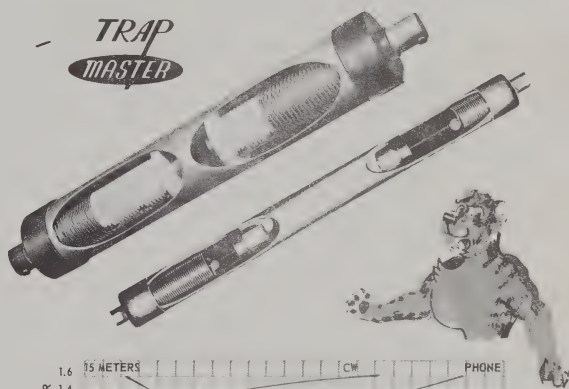
- Model MP-33
- 3 Elements
- 10.1 db Forward Gain (over isotropic source) on all bands
- 20 db Front-to-Back Ratio on all bands

The Mosley MP-33, Tig-Array incorporates Mosley famous metal encased Trap-Master Junior and Senior traps. The element center sections are made of double thickness aluminum to reduce sag. Boom requires no bracing. Feed with RG-8/U, 52 ohm coax. Handles optimum SSB power and medium AM power. This beam for 10, 15 and 20 meters is power rated for 750 watts AM/CW and 2000 watts P.E.P. on SSB. Priced at a fraction of expected cost. Use on 40 meters without affecting electrical characteristics of beam with TA-40KR Kit (see page 8).

Specifications and Performance Data (see page 10).



TIG-ARRAY...10, 15 & 20 Meters

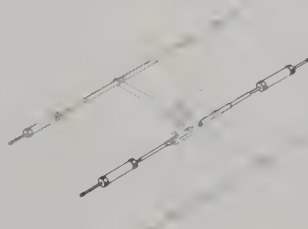


For additional power

- 10.1 db Forward Gain
- 20 db Front-to-Back Ratio

Owners of the famous Trap-Master TA-33Jr. may have higher power without buying an entirely new antenna. The addition of the MPK-3 Kit converts the TA-33Jr. into essentially a new MP-33 Tig-Array (750 watts AM/CW, 2000 watts P.E.P. SSB). For further specifications and performance data on the MP-33 see page 10.

MOSLEY MPK-3 CONVERSION KIT

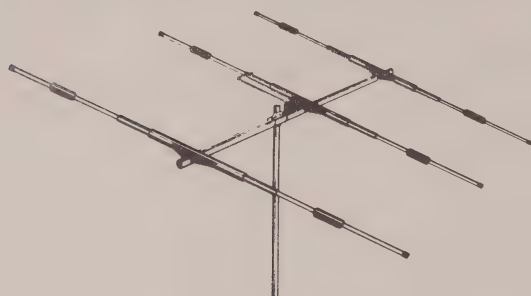


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MINI-BEAM...SINGLE BAND BEAMS

MINI-BEAMS...For 10 or 15 Meters



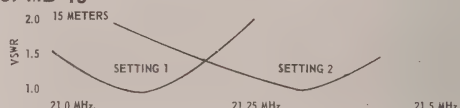
Model MB-10



- 3 Elements
- 9.6 db Forward Gain (over isotropic source) on all bands
- 20 db Front-to-Back Ratio on all bands

With smaller size than a full-sized beam (longest element is 6 feet shorter on 15 meters) and one-third the weight, these miniature beams take up less space. They cost less to install. You can use a lighter, inexpensive rotor because of these antennas' lighter wind load (less than one-half that of a big beam) puts less strain on the tower and rotor. Yet with all these savings you don't have to skimp on quality: the mono-band mini-beams carry the Mosley guarantee of quality.

Model MB-15



Specifications & Performance Data

MODEL		MULTI-BAND BEAM	MONO-BAND BEAMS	
		MP-33	MB-10	MB-15
Forward Gain	reference dipole	7.0 - 8.0 db	7.5 db	7.5 db
	isotropic source	9.1 - 10.1 db	9.6 db	9.6 db
Front-to-Back Ratio		20 db	20 db	20 db
Power Rating	AM/CW	750 Watts	500 Watts	500 Watts
	P.E.P. SSB input to the final	2000 Watts	1 KW	1 KW
Feed Point Impedance		52 ohms	52 ohms	52 ohms
Recommended Transmission Line		RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance	(1.5/1 or better)	1.5/1	1.5/1	1.5/1
Matching System		Mosley Match	Gamma	Gamma
Number of Elements		3	3	3
Maximum Element Length		27'	130.5"	202.5"
Boom Length		12'	108"	128"
Recommended Mast Size		1½" OD	1¼" OD	1¼" OD
Turning Radius		15'	82½"	119"
Wind Surface Area		4.7 sq. ft.	1.4 sq. ft.	2.1 sq. ft.
Wind Load (EIA Std. 80 MPH)		96 lbs.	27 lbs.	42 lbs.
Assembled Weight (approximately)		23 lbs.	6 lbs.	8 lbs.
Shipping Weight (approximately)		28 lbs.	6 lbs. 7 ozs.	9 lbs.

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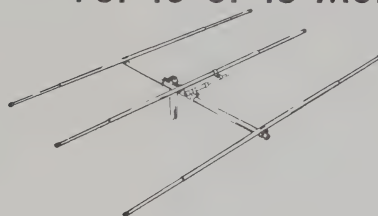
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POWER-MASTER AND SIGNAL-MASTER ANTENNAS

Model A-310-C & Model A-315-C

"Power-Master" Beams are full-sized arrays designed exclusively for single band operation. The A-310-C is a 3 element beam for 10 meters; the A-315-C is a 3 element version designed for 15 meters. Both are rated for 1 KW AM/ CW and 2 KW P.E.P. SSB input to the final. Antennas are 100% rust-proof. Incorporate stainless steel hardware, high impact polystyrene insulators, aluminum boom and elements.

For 10 or 15 Meters

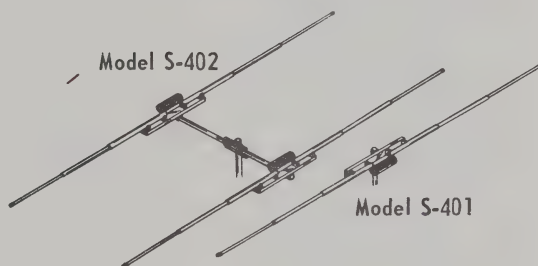


Beam Antenna... Model S-402

Rotary Dipole... Model S-401

For a top signal needed to push through forty meter QRM, the Mosley Signal Master S-402 will do the trick! This 100% rust-proof 2-element beauty constructed of rugged heavy-wall aluminum is designed and engineered to provide the performance you need for both DX hunting and relaxing in a QRM free rag-chewing session. Beam is fed through link coupling, resulting in an excellent match over the entire bandwidth.

For 40 Meters



Specifications & Performance Data

MODEL	SINGLE-BAND BEAMS			DIPOLE
	A-310-C	A-315-C	S-402	S-401
Forward Gain (over isotropic source)	10.1 db	10.1 db	7.1 db	2.1 db
Front-to-Back Ratio	25 db	25 db	24 db	N/A
AM/CW	1 KW	1 KW	1 KW	1 KW
Power Rating P.E.P. SSB input to the final	2 KW	2 KW	2 KW	2 KW
Feed Point Impedance	52 ohms	52 ohms	52 ohms	52 ohms
Recommended Transmission Lines	RG-8/U	RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance (1.5/1 or better)	1.5/1	1.5/1	1.5/1	1.5/1
Number of Elements	3	3	2	1
Maximum Element Length	18' 7"	23' 4"	44' 5-3/8"	43' 5-3/8"
Boom Length	10'	14'	20'	N/A
Recommended Mast Size (diameter)	1½" OD	1½" OD	1½" OD	1½" OD
Turning Radius	11' 1"	13' 2"	25'	22'
Wind Surface Area	3 sq. ft.	4 sq. ft.	7 sq. ft.	3.5 sq. ft.
Wind Load (EIA Std. 80 MPH)	69 lbs.	87 lbs.	140 lbs.	70 lbs.
Assembled Weight (approximately)	16 lbs.	22 lbs.	60 lbs.	25 lbs.
Shipping Weight (approximately)	19 lbs.	26 lbs.	62 lbs.	30 lbs.

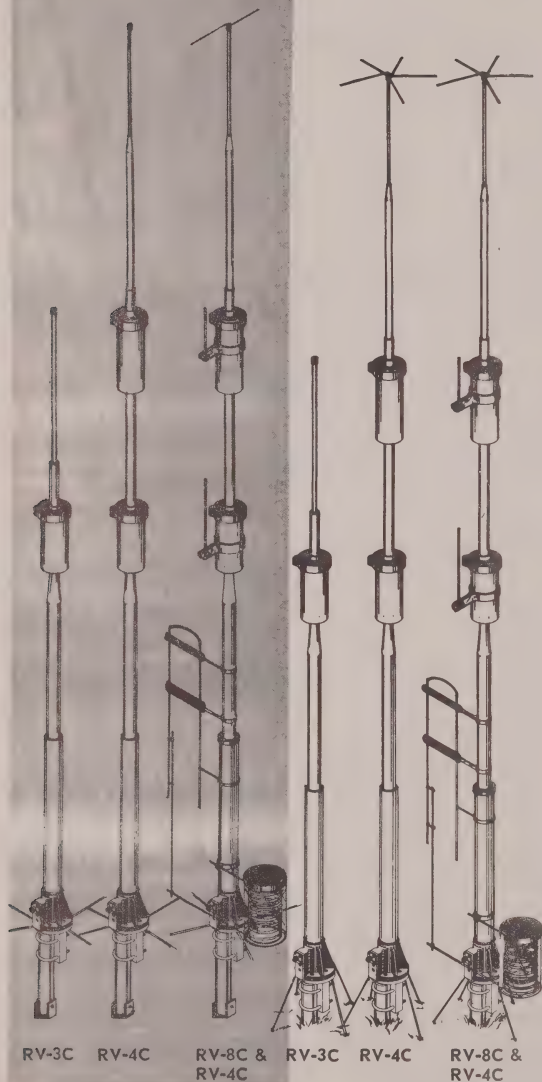
Mosley Electronics, Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

TRAP MASTER VERTICALS... MULTI-BAND ANTENNAS

ROOF MOUNTED

GROUND MOUNTED



TRAP
MASTER

Verticals

for 10 thru 80 meters

- AUTOMATIC BAND SWITCHING
- OMNI-DIRECTIONAL
- ONE-QUARTER WAVELENGTH
- SELF-SUPPORTING
- SIMPLIFIED BASE MOUNT

If you're cramped for space and looking for the finest in a self-supporting vertical, there's an RV antenna designed with you in mind.

Mosley RV Verticals for 3, 4 or 5 band operation features automatic bandswitching from the location of the transceiver. Each antenna utilizes one or more world famous Trap Master traps of the renowned TA-33 beam. Undisputed and unaltered since their inception, Mosley Trap Master traps incorporate high "Q" coils firmly fixed on molded forms. These high quality metal encased traps maintain resonant stability on all bands under a wide variety of weather conditions.

With New Simplified Base Mounting technique, no concrete footing is necessary. Vertical element mounts in durable Cycloc Base Insulator. Laboratory tests proved that this Base Insulator will withstand even greater stresses than the vertical element will impose without chipping or cracking. The insulator with coax feed connection secures to a heavy-duty aluminum base casting. The antenna and base assembly are supported by a pipe with the aid of U-bolts and hardware.

These heavy-duty verticals measure up to the most exacting commercial standards. Elements are swaged for extra strength and reduced wind load. Low angle/omni-directional radiation and minimum SWR (1.5/1 or better at resonance) assure maximum performance. A two-inch OD mast is recommended. Power fed directly to antenna with a single 52 ohm coax line.

Mosley Electronics, Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

TRAP MASTER VERTICALS... ANTENNA ACCESSORIES

75/80 METER CONVERSION KIT: MODEL RV-8C

Designed to convert the RV-4C antenna to include the 75/80 meter band. The CL circuit incorporates a high "Q" coil constructed of #12 soft-drawn, tinned copper wire wound on four polystyrene rods. A plexiglass coil housing, closed at one end with a polystyrene cap, assures weather protection.

An insulated aluminum condenser tube fits over the vertical element. Heavy-duty insulators maintain "U" shaped matching section loop, and a matching section rod connects loop to coil.

ADD
75/80 Meters
to your RV-4C Vertical.

conversion kit

ROOF-TOP MOUNTING KIT: MODEL RKY-345

Designed to adapt RV verticals from ground to roof-top mounting. A 3 ft. mast with hinged mounting bracket fastens base assembly to roof with one lag screw. No special guying required (Radial wires may be used as guys). To extend the antennas' tuning range, Top Hat Rods are provided for use according to individual installation requirements.



Specifications & Performance Data

MODEL	RV-3C	RV-4C	RV-8C
Bands	10, 15 & 20 Mtr.	10, 15, 20 & 40 Mtr.	75/80 Mtr. Conversion Kit
Power Rating	750 watts	750 watts	750 watts
AM/CW P.E.P. SSB input to the final	2000 watts	2000 watts	2000 watts
Feed Point Impedance	52 ohms	52 ohms	52 ohms
Recommended Transmission Line	RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance	1.5/1 or better	1.5/1 or better	1.5/1 or better
Height (approximately)	12'	22'	22'
Number of Radials	3	4	5
Maximum Radial Length (approximately)	17' 3"	24' 7"	80'
Ground Required	Yes	Yes	(1 supplied)
Recommended Mast Size	2" OD	2" OD	2" OD
Wind Surface Area	1,395 sq. ft.	2,049 sq. ft.	2,500 sq. ft.
Wind Load (EIA Std. 80 MPH)	29 lbs. 6 ozs.	42 lbs. 7 ozs.	N/A
Assembled Weight (approximately)	7 lbs.	9 lbs. 4 ozs.	4 lbs. 8 ozs.
Shipping Weight (approximately)	8 lbs.	10 lbs. 4 ozs.	6 lbs.

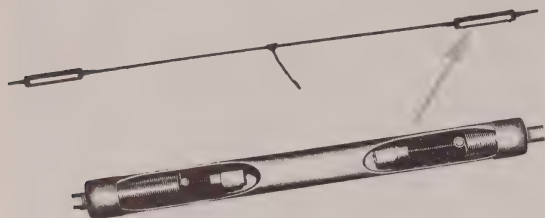
(N/A) see Specifications & Performance Data on the RV-4C

Mosley Electronics Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

DOUBLET...MULTI-BAND ANTENNAS

DOUBLET...Model TD-3 & Model TD-3Jr.



For 10, 15, 20 or 40 Meters

These Trap Doublet antennas require little space and are easy-to-install by attaching 52 or 72 ohm coax line to strain relief center connector and tying insulators to convenient support. Doublets utilize famous Mosley water-proof trap assemblies. Length of TD-3: 53 ft. on 40 meters; 25 ft. on 20 meters. Length of TD-3Jr.: 54 ft. on 40 meters; 24 ft. on 20 meters. Antennas may be cut for a choice of bands: 10, 15 and 20 meters or 10, 15 and 40 meters. Operate as an electrical one-half wavelength on each of the bands with excellent radiation and bandwidth.

DOUBLET...Model TD-2



For 40 & 80 Meters

Model TD-2 Doublet antenna resonates at 40 and 80 meters and provides a typical "figure eight" one-half wavelength dipole pattern at each resonant frequency. Parallel resonant trap circuits are used to automatically select the proper electrical length for each band. A center connector holds the No. 14 copperweld wire securely. The traps are enclosed in aluminum and are designed to be frequency stable through wide climatic variations.

DIPOLE ANTENNA...Model DIV-80



For 10 thru 80 Meters - choice of one band

A dipole antenna for the individualists who prefer the "do-it-yourself" flexibility of custom-designing an antenna for your specific needs. (Work the frequencies you wish in the 10 through 80 meters bands.)

The DIV-80 features: Durable Copperweld wire for greater strength, Mosley Dipole Connector (DPC-1) for RG-8/U or RG-58/U coax and all the technical information you will need to construct your custom-designed antenna.

Specifications & Performance Data

MODEL	TD-3	TD-3Jr.	TD-2	DIV-80
Frequencies	10, 15, 20 or 40	10, 15, 20 or 40	40 & 80	10-80
Power Rating	AM/CW			
P.E.P. SSB input to the final	1 KW	300 watts	1 KW	1 KW
	2 KW	1000 watts	2 KW	2 KW
Transmission Line	52-72 ohms	52-72 ohms	52-72 ohms	52 ohms
VSWR at Resonance	(1.5/1 or better)	1.5/1	1.5/1	1.5/1
Maximum Element Length (approximately)	53'	53'	114'	135'
Wire Breaking Strength	440 lbs.	440 lbs.	440 lbs.	440 lbs.
Assembled Weight (approximately)	4 lbs.	3 lbs.	7 lbs.	2 lbs.
Shipping Weight (approximately)	6 lbs.	4 lbs.	9 lbs.	3 lbs.

Mosley Electronics Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

Cubical Quad ... MULTI-BAND ANTENNA

2 Elements
8.6 db Forward Gain
20 db Front-to-Back Ratio

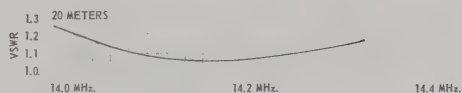
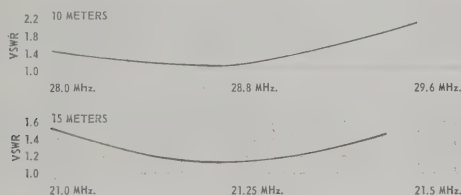
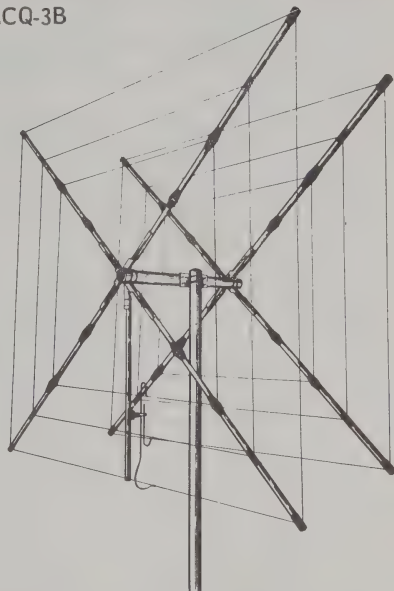
CUBICAL QUAD...10, 15 & 20 Meters
Model MCQ-3B

The Mosley Tri-Band Quad, Model MCQ-3B, has a unique combination of features that include the Gamma Match - which transfers the power of the single 52 ohm feed line to the point on the antenna element which maintains that impedance. The result is the most effective tri-band operation.

The new Deluxe high-strength molded insulators give strength to the Quad and eliminate the danger of aluminum spreaders interacting with the wire elements.

Mosley's heavy-duty aluminum casting spreader-mounts provide maximum support of the elements and reduces wind load. The center support securely aligns and locks the spreaders to the boom--eliminating the need for heavy wind-resistant 'webbing' between the spreaders at the hub.

Model MCQ-3B also features improved Boom-to-Mast clamping designed to withstand the rigors of climate and long use. Clamp is secured to the antenna mast with stainless steel U-bolts for greater stability.



SPECIFICATIONS AND PERFORMANCE DATA

Forward Gain	8.6 db
Front-to-Back Ratio	20 db
Power Rating	1 KW
Feed Line	52 ohms
VSWR at Resonance	1.5/1
Matching System	Gamma
Element Length	17'
Spreader Length	12' 6"
Boom Length	8'
Turning Radius	8'
Wind Surface Area	7.8 sq. ft.
Wind Load (EIA Std. 80 MPH)	156 lbs.
Assembled Weight (approx.)	35 lbs.
Shipping Weight (approx.)	40 lbs.

Mosley Electronics Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

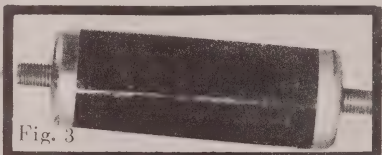
RODE-MASTER...MOBILE ANTENNA SYSTEM



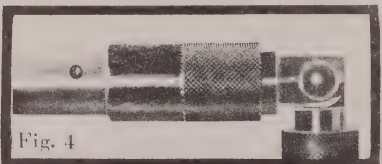
The stainless steel upper whip telescopes into the lower aluminum Whip-Section with a Mosley innovated "floating ferrule locking device". Ferrule and fittings are machined chrome plated brass. Secure precision tuning is accomplished with little more than finger tip pressure.



The diamond-shaped aluminum Whip-Base is center grooved to recess guy-rope (not supplied) and threaded to accept all Mosley coils. Each coil is equipped with plated brass studs. Note: There is absolutely no aluminum to aluminum interchangeable connections, an anti-corrosion measure to prevent "freezing" caused by oxidation. All connections are standard 3/8"-24 thread.



Five new interchangeable coils for 10, 15, 20, 40 and 75/80 meters, all of which are precision wound on a phenolic form, housed and sealed in a durable, weather-proof phenolic case and Power Rated for 200 watts AM; 400 watts P.E.P. SSB.



The lower Mast-Sections are constructed of 5/8" husky-wall aluminum. In the upright position, the break-over is completely concealed. The rigid interlocking of the Mast-Sections are vibration-proof and water tight. Break-over hinge-segments are of machined chrome-plated brass and require little more than hand pressure to secure or activate.

VSWR GUARANTEE

1.5/1 OR BETTER

FOR 6, 10, 15, 20, 40 AND 75/80 METERS

An astonishing new mobile antenna system offering the most significant money saving options ever available to the economy minded Ham. Your choice of 6, 10, 15, 20, 40, 75 and 80 meters with a Mosley guarantee of an adjustable VSWR of 1.5/1 or better at any given frequency on each band.

Select from five new interchangeable coils for 10, 15, 20, 40 and 75/80 meters, all of which are precision wound on phenolic form, housed and sealed in a durable, weather-proof phenolic case and Power Rated for 200 watts AM; 400 watts P.E.P. SSB.. (See Fig. 3)

The husky, light weight construction of the 'Rode-Master' Support-Mast is only one of an impressive host of features.

Six-Meter Antenna: The unique upper mast-section doubles as a 6-meter antenna, completely adjustable for the entire 6-meter band, ideal for fixed station operations on field day junkets.

Notable is the telescoping whip which incorporates the Mosley innovated locking device that permits precision tuning with little more than finger tip pressure. (See Fig. 1)

Guying for frequency stability at highway speeds. (See Fig. 2)

Noteworthy also is the lower mast-section which is reversible to facilitate either bumper or deck mounting.

This lower section features a break-over (hinge) to lower antenna for garaging, low over-hangs or to align and secure antenna to gutter rail of vehicle. (See Fig. 4)

In the break-over position, antenna will rotate 360°. A convenience for easy coil insertion, whip adjustment etc. The 'Rode-Master' DX Matching Network provides fine tuning for 20, 40 and 75/80 meters with finger tip switching control (by-pass position on 10 and 15 meters). Small, simple to install and operate, this unique base Matching unit is the real reason Mosley can Guarantee an adjustable VSWR of 1.5/1 or better.

SIX-METER WHIP

SIX-METER WHIP: This antenna is completely adjustable for the entire 6-meter band, ideal for fixed station operations on field day junkets.

Mosley Electronics, Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

RODE-MASTER...MOBILE ANTENNA SYSTEM

GUARANTEE: VSWR of 1.5/1 or better on all bands

Rode-Master

Here is the real reason Mosley can guarantee an adjustable VSWR of 1.5/1 or better, the "Rode-Master" DX Matching Network. This unique base matching unit can easily be mounted in the trunk. Small, simple to operate.

For simpler, quicker band changing, pre-mount and tune coils on separate upper mast sections whenever possible. (Separate upper mast section may be purchased; MD-6.)

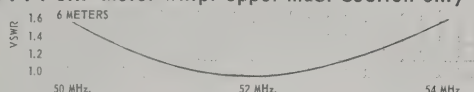
Matching Network

GRAPHS

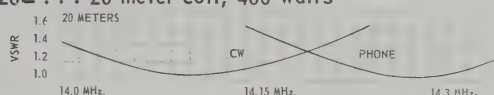
MD-1 SUPPORT-MAST WITH MATCHING NETWORK (upper section doubles as Six-Meter Whip)

The following coils were mounted on the Rode-Master support-mast Model MD-1.

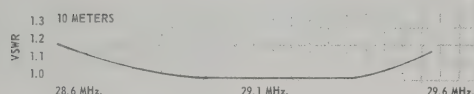
MD-6 . . . Six-Meter Whip: upper mast section only



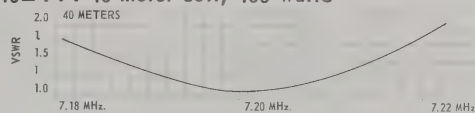
MD-20L . . . 20 meter coil, 400 watts



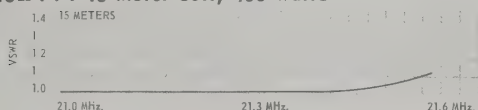
MD-10L . . . 10 meter coil, 400 watts



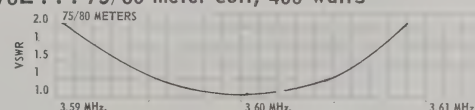
MD-40L . . . 40 meter coil, 400 watts



MD-15L . . . 15 meter coil, 400 watts



MD-78L . . . 75/80 meter coil, 400 watts



Specifications & Performance Data

MODEL		MD-6	MD-10L	MD-15L	MD-20L	MD-40L	MD-78L
Bands		6 meters	10 meters	15 meters	20 meters	40 meters	75/80 meters
Power Rating	AM/CW	200 watts	200 watts	200 watts	200 watts	200 watts	200 watts
	P.E.P. SSB input to the final	400 watts	400 watts	400 watts	400 watts	400 watts	400 watts
Matching		52 ohms	52 ohms	52 ohms	52 ohms	52 ohms	52 ohms
Coax Length		*N/C	*N/C	*N/C	*N/C	*N/C	*N/C
VSWR at Resonance (1.5/1 or better)		1.5/1	1.5/1	1.5/1	1.5/1	1.5/1	1.5/1
Maximum Overall Height (low end)		4' 6"	**8' 6"	**8' 6"	**8' 4 1/4"	**8' 5/8"	**10' 2 1/4"
Minimum Height (high end)		4' 3"	**8' 6"	**8' 6"	**8' 2 1/4"	**7' 11 1/4"	**8' 3"
Radiation Pattern (Omni-Directional)		Omni-D.	Omni-D.	Omni-D.	Omni-D.	Omni-D.	Omni-D.
Weight (approximately)		10 ozs.	***3 1/2 ozs.	***3 1/2 ozs.	***4 1/2 ozs.	***8 1/2 ozs.	***18 ozs.

*N/C length of coax not critical **Height assembled on MD-1 support mast ***Weight of coil only (add 1 1/2 lbs. for MD-1)

Mosley Electronics, Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 6304

SHORT WAVE LISTENING ANTENNAS

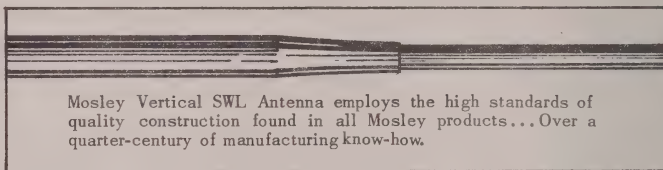
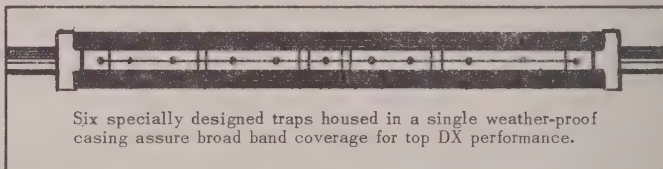
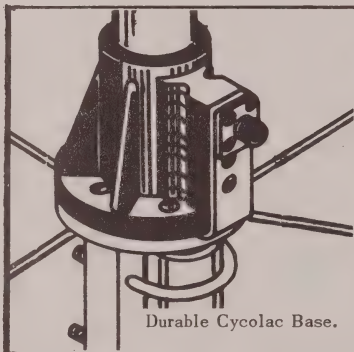
VERTICAL SWL...Model SWV-7

Specifications & Performance Data
(see page 19)

- Model SWV-7
- 13' 3-5/8" Vertical
- For 11, 13, 16, 19, 25, 31 and 49 meters.

..... Now you can share in the fun and excitement of short wave listening with the new Mosley SWL VERTICAL antenna. Model SWV-7 is designed for 11, 13, 16, 19, 25, 31 & 49 meters. A rugged, sleek-looking beauty standing just 13' 3-5/8" high.

ROOF MOUNTING: A 3 foot mast with hinged mounting bracket fastens base assembly to roof top with only one lag screw. Radials and guy wires (#10 copper wire) not supplied, must be used.



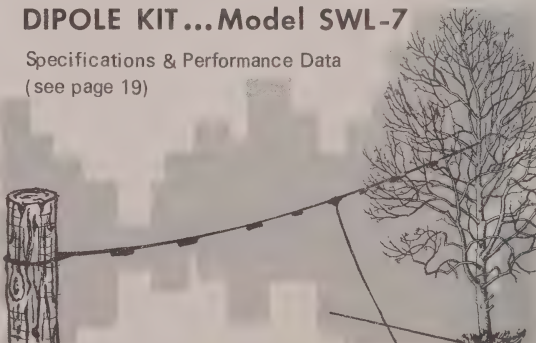
- Model SWL-7
- 50% more DX
- For 11, 13, 16, 19, 25, 31 and 49 meters.

This inexpensive horizontal dipole may be just what you need to add those hard-to-get stations to your log. Eight pre-tuned weatherproof trap assemblies are the key to the SWL-7's amazing broadband coverage.

In addition to the newly improved trap assemblies, the kit includes transmission line center connector, 50 feet of antenna wire, 2 glazed porcelain insulators, 100 feet of 75 ohm transmission line and concise assembly instructions.

DIPOLE KIT...Model SWL-7

Specifications & Performance Data
(see page 19)



Mosley Electronics, Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

DIPOLE & BALUN...SHORT WAVE LISTENING ANTENNAS

Model RD-5

Monitor the Ham bands

For 10, 15, 20, 40 and 75/80 meters.

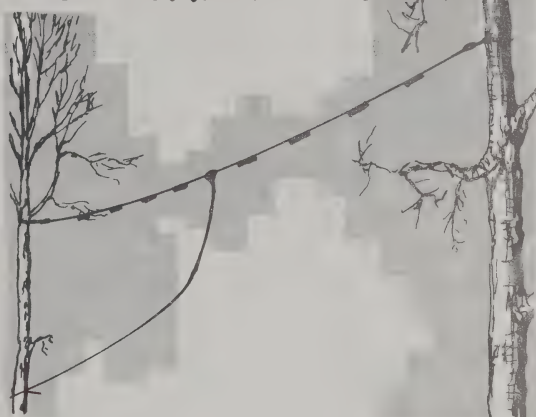
Model RD-5, Horizontal Short-Wave Listening Dipole. For 10, 15, 20, 40 and 75/80 meters.

For superior short wave listening on the ham bands, install a Mosley Model RD-5. This horizontal antenna, with a resonant half-wavelength dipole on each band, measures 69 feet 1 inch. Outperforms ordinary random length antennas.

Kit comes complete with 100 feet of 75 ohm twin-lead, 2 glazed porcelain insulators, 8 feet of wire, transmission line center connector, 8 weatherproof traps assemblies and easy-to-follow installation instructions.

For short wave listening on bands below 4 MHz., install a Mosley TRS-57 Transformer-Balun.

DIPOLE KIT. Model RD-5



Model TRS-57

Transformer-Balun

Receive Standard Broadcasts

Use your Short Wave Listening Antenna to receive commercial broadcasts from all over the country. When you want to receive bands below 4 MHz. the TRS-57 automatically converts your short wave doublet into the long wire antenna you need for commercial band reception. No antenna receiver switching necessary!

On the ham bands, the TRS-57 acts as a balun to provide balanced receiver input, thus, assuring superior performance of your SWL antenna.

Use the Transformer-Balun with Mosley SWL-7, RD-5 or any short wave doublet. Easily installed on the back of the receiver with a screwdriver.

TRANSFORMER-BALUN



Specifications & Performance Data

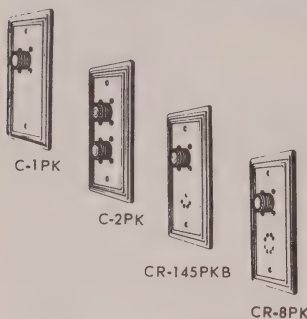
MODEL	VERTICAL	DIPOLAS	
	SWV-7	SWL-7	RD-5
Bands	11, 13, 16, 19, 25, 31 & 49	11, 13, 16, 19, 25, 31 & 49	10, 15, 20, 40 & 75/80
Length (Height)	13' 3-5/8"	39' 10"	69' 1"
Ground Required	Yes	No	No
Assembled Weight	Approx. 5 lbs. 15 ozs.	Approx. 2 lbs.	Approx. 2 lbs.
Shipping Weight	Approx. 7 lbs. 7 ozs.	Approx. 2 lbs. 4 ozs.	Approx. 2 lbs. 12 ozs.

Mosley Electronics Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

AMATEUR ANTENNA ACCESSORIES

MOSLEY COAX TERMINATION OUTLETS



• C-1PK

One SO-239 coax connector mounted on a decor-blending ivory plate. Includes F-9 mounting brackets and screws.

• C-2PK

Two SO-239 coax connectors mounted on a decor-blending ivory plate. Includes F-9 mounting brackets and screws.

• CR-145PKB

One SO-239 coax connector and 4 or 5-wire rotor receptacle. Includes F-9 mounting brackets and screws and rotor plug.

• CR-8PK

One SO-239 coax connector and 8-wire rotor receptacle. Includes F-9 mounting brackets and screws and rotor plug.

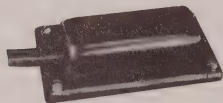
MOSLEY 625-C WALL-THRU



• 625-C

For use where direct entrance and termination is desired. Accommodates one coax lead. Available in ivory only. Complete with mounting screws.

MOSLEY M-60 UNIVERSAL ROOF-THRU / WALL-THRU



• M-60

Weatherproof entrance accessory for all types of antenna and rotor lead-in line. Mounts on any sloped roof or on the wall of any non-brick structure. (Hardware included.)

MOSLEY 1746 & 2475 ANTENNA WEATHER GUARD



• 1746 & 2475

Weather Guard, a clear coating compound that protects ferrous and non-ferrous metal surfaces from corrosive action of salt-laden air, moisture and ultra violet radiation. Applies easily with a brush.

1746-8 oz. Can 2475-4 oz. Can

MOSLEY A-1123 ANTI-CORROSION COMPOUND



• A-1123

A corrosion resistant compound that prevents oxidation - assures electrical conductivity and lubrication of all metal fittings. A workable mix in all temperatures and climate conditions. Use on electrical fittings and "swaged" (tapered ends of aluminum) elements of antennas. Available in 1/2 oz. package with easy-to-use tear-off applicator.

MOSLEY 500, SINGLE CRYSTAL HOLDER SOCKET



• 500

Compact, sturdy socket for holders with standard .093" pins spaced .486-.500". Molded of high temperature polystyrene. Recessed phosphor bronze contacts and solder lugs are one piece for quiet operation under conditions of extreme vibration. Ideal for mobile rigs. Mounts behind panel or under chassis up to 1/8" thick with plated brass machine screw, supplied. Drilling template furnished.

Mosley Electronics, Inc.

4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044.

AMATEUR ANTENNA ACCESSORIES

MOSLEY CRYSTAL HOLDER ADAPTERS

5-75M

½" to ¾". Takes crystal holder with pins spaced .486" to .500" and plugs into socket with .750" spaced holes. Also fits any 5 or 6 pin tube socket. Precision machined acrylic body with plated brass pins.

5S-75M

The same as 5-75M except it takes crystal holders with .050" pins with .486" spacing.

75-5M

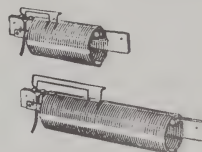
¾" to .486". Takes crystal holder with pins spaced .750" and plugs into socket having .486" spaced holes. Fits octal socket and Mosley crystal sockets described on page 20. Acrylic body with plated brass pins.



MOSLEY 40-D AND 75/80-D DIPOLE LOADING COILS

40-D & 75/80-D

Make a high performance dipole transmitting and receiving antenna at about half the length of full size dipoles. 80 meter antenna is approximately 65 feet overall. 40 meter antenna is just 37 feet. Only one coil is needed for each antenna. Feed with 52 or 75 ohm coax to help suppress TVI and BCI. Heavy acrylic support bar takes strain off coil. Sturdy clamping member at coax connection. Coils are space-wound with plated #12 copper wire and are rated to 1 KW.



MOSLEY DPC-1 WEATHERPROOF DIPOLE CONNECTOR

DPC-1

This weatherproof dipole connector will make building a dipole antenna an easier job. Its high strength "Cyclocac" construction and corrosion proof hardware add extra durability to the installation at very low cost. Fits RG-8/U diameter to RG-58/U diameter coax lines.



MOSLEY AK-60 MAST PLATE ADAPTER

AK-60

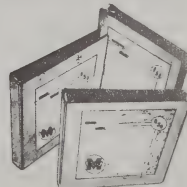
Mast Plate Adapter for adapting your Mosley 1½" mounted beam to fit 2" OD mast. Complete with angle and hardware.



QSO Index

Keep track of over 200,000 contacts. Recall in seconds whether you have contacted a station before, and if so, the operator's name. The deluxe Mosley QSO Index will never increase in size or weight and is light enough, only 28 ounces, to carry with you on those field day operations.

MOSLEY QSO INDEX



Mosley Electronics, Inc.

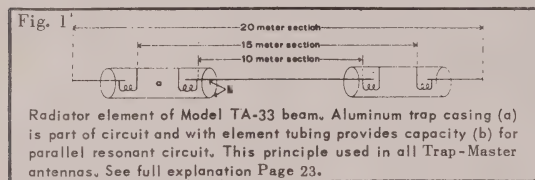
4610 N. LINDBERGH BLVD., BRIDGETON, MO. 63044

"WHAT ABOUT - TRAPS?"

WHAT ABOUT TRAPS?

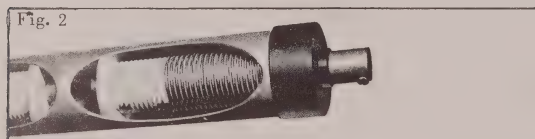
THE IMPORTANCE OF GOOD TRAP DESIGN!

An antenna trap can be described as being an *application of a resonant circuit*. Such a trap, utilizing a parallel resonant tuned circuit, offers very high impedance at or near resonance and simply acts as an insulator to effectively cut off the element to a length resonant to the band being used. See Fig. 1.



A trap can properly be considered the "weak link" in the chain of components that comprise a multi-band antenna. Any failure or malfunction of one of the traps will put the antenna out of operation or, at least seriously effect its performance capability. Thus, it is of paramount importance that the trap design be such as to assure stability of resonance in wide extremes of temperature and humidity and to exclude or inhibit dirt and moisture formation which could cause malfunction or breakdown.

Any variation in capacity or inductance in the trap's tuned circuit will cause the resonant frequency to shift. Therefore, each of these components must be firmly fixed and this can best be accomplished by winding the coil on grooved forms and by making the capacitor sections immovable with respect to each other. Traps used in MOSLEY TRAP MASTER antennas follow this good basic design as can be seen in photo. See Fig. 2.



The coils in Mosley traps are space-wound of No. 10 aluminum wire on grooved forms molded of high-impact polystyrene. Ends of each winding are firmly secured with screws. The coil form is molded directly on the aluminum element and this element along with the outer aluminum trap casing comprise the capacitor. Because of this construction, the capacitor "plates" are completely fixed and cannot move in relation to each other.

MOSLEY traps "breathe" and, thus, cannot collect condensation. Traps that are tightly sealed encourage condensation and, since there is no place for the water to go, accumulates and sooner or later ruins the performance of the trap. It is possible to put into each trap an absorbent such as *silica gel* which will reduce free moisture content for awhile. This is but a "stop-gap" measure, though, since a given amount of such material

can absorb only a limited amount of water and any additional condensation is free to collect and to wreak its havoc with the beam's performance.

In order to achieve long service life from your trap antenna, it is important to consider the material from which the traps are constructed. Unlike some traps which are either open or enclosed in some soft plastic, or other relatively short-lived material, MOSLEY traps are encased in aluminum which is not only completely impervious to weather, itself, but provides lifetime protection for the entire trap assembly!

Structurally, the configuration of MOSLEY traps promotes greater strength and rigidity of the entire array. Weight of each trap is distributed over a greater length of the element and the resultant slimmness of the trap reduces wind resistance and, to some extent, torque.

FEED SYSTEMS

FEED SYSTEMS - THE SIMPLER, THE BETTER!

Despite popular belief, linear radiators, normally employed in 2 & 3 element parasitic arrays, have a driving point impedance of close to 52 ohm when open at the center. To feed such a radiator it is only necessary to connect a 52 ohm line at this point to achieve the best possible match of line to antenna.

However, because of certain design characteristics, some beam antennas require matching devices such as *Gamma* or *T-Match* systems or variations of these systems.

Two different types of matching systems are offered in *Trap-Master* beams, the Mosley matching system, and broad band capacitive matching. With Mosley match, the beam is fed by connecting the line directly to the open center of the radiator. This achieves an excellent match over the entire width of each ham band and results in an extremely low *SWR* near resonant frequency of each band and the ability to range from one end of the band to the other end without excessive *SWR*. Beams with Mosley match offer a wide variety of conversion possibilities.

In order to give Hams a new choice in beam matching systems and an antenna featuring maximum gain with increased bandwidth, Mosley developed broad band capacitive matching - a balanced type of matching system. This matching method takes advantage of the principle that antenna resistance at the center driving point increases as the antenna length increases and results in a little more gain potential, especially on AM/SSB portions of the band. Mosley conversion kits are not designed for use on beams with this type of match.

UNBALANCED RADIATORS

An unbalanced feed is used on *Trap-Master* beams with the exception of those incorporating broad band capacitive matching.

(Contd.)

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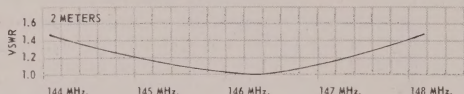
Competent professional antenna engineers generally agree that in most applications a standing wave ratio of up to 5 to 1, or somewhat higher, is satisfactory and acceptable. (This has nothing to do with equipment manufacturer cutbacks which would not permit voltage or current to exceed rating of components used in the equipment, limiting *SWR* to a lower value). Referring to the ARRL Antenna Handbook, we see that a *SWR* of 5 to 1 in RG-8/U coax will result in a signal loss at 28 MHz. of only 1 db. This decrease in signal strength cannot normally be detected on an S-Meter! This is the "introduced loss", due to *SWR* and has no bearing on the normal 1 db. line loss inherent in 100 feet on the line which is present in any case. Furthermore, these losses decrease as frequency decreases!

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VERTICAL GROUND PLANE ANTENNAS

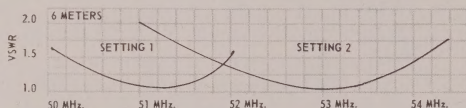
DIPLOMAT-2

A 5/8 wave omni-directional vertically polarized 2 meter antenna with a low angle of radiation for ideal base-to-mobile operation. Features the Mosley "Induct-O-Match" system for loading and impedance matching and Coax Female Connector that is easily fastened to the radial support for a long lasting connection.

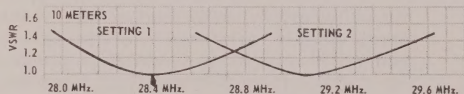


DIPLOMAT-6

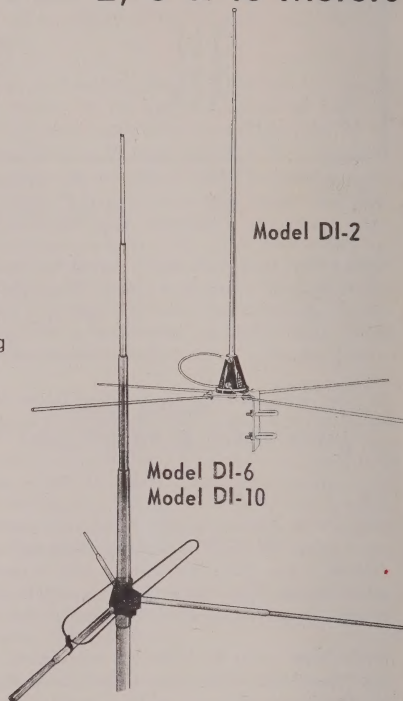
For 6 meter VHF (DI-6) and for the popular 10 meter DX band (DI-10), these two omni-directional 5/8 wave vertically polarized antennas feature the Mosley "Induct-O-Match" system for loading and impedance matching using 1/8" aluminum rods, swaged ends to reduce wind load and possibility of metal fatigue, and Coax Female Connector that is easily fastened to the radial support for a long lasting connection. Easy to mount and compact.



DIPLOMAT-10



2, 6 & 10 Meters



MODEL	DI-2	DI-6	DI-10
Forward Gain - compared to 1/4 wave ground plane	3.4 db.	3.4 db.	3.4 db.
Power Rating	1 KW	1 KW	1 KW
AM/CW			
P.E.P. SSB input to the final	2 KW	2 KW	2 KW
Feed Point Impedance	52 ohms	52 ohms	52 ohms
Recommended Transmission Line	RG-8/U	RG-8/U	RG-8/U
VSWR at Resonance	1.5/1 or better	1.5/1 or better	1.5/1 or better
Matching System	"Induct-O-Match"	"Induct-O-Match"	"Induct-O-Match"
Ground Radials	4	3	3
Recommended Mast Size (diameter)	1 1/2" OD	1 1/2" OD	1 1/2" OD
Wind Load (EIA Std. 80 MPH)	6 lbs. 2 ozs.	31 lbs.	41 lbs.
Assembled Weight (approximately)	1 lb. 12 ozs.	4 lbs. 8 ozs.	8 lbs.
Shipping Weight (approximately)	2 lbs. 8 ozs.	5 lbs. 8 ozs.	9 lbs.
Height (approximately)	4 ft.	12 ft.	19 ft.

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